

# Converting Colors

XYZ(71.5187, 89.0202, 55.7964)

Have a look what the booklet for  
XYZ(71.5187, 89.0202, 55.7964)  
contains.

<b>XYZ(71.6282, 89.0708, 56.0650)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(71.6282, 89.0708,  
56.0650)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D6FFB3
RGB	214, 255, 179
RGB Percent	84%, 100%, 70%
CMY	0.1608, 0.0000, 0.2980
CMYK	0.16, 0.00, 0.30, 0.00
HSL	92°, 100%, 85%
HSV	92°, 30%, 100%
XYZ	71.6282, 89.0708, 56.0650
YIQ	234.0770, -0.0400, -32.3280

# Conversions

## Conversions Part 2

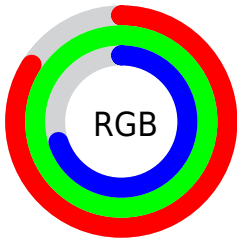
Format	Color
<a href="#">RYB</a>	<a href="#">179, 255, 220</a>
Decimal	<a href="#">14090163</a>
CIELab	<a href="#">95.61, -26.07, 32.13</a>
CIELCh	<a href="#">96, 41.375, 129.057</a>
Yxy	<a href="#">89.0708, 0.3304, 0.4109</a>
Android (android.graphics.Color)	<a href="#">4292280243 (0xFFD6FFB3)</a>
YUV	<a href="#">234.0770, -27.1530, -17.6075</a>
Hunter-Lab	<a href="#">94.3773, -29.6868, 30.8428</a>

# Details

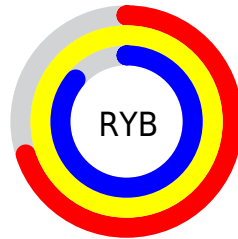
The XYZ color **71.6282, 89.0708, 56.0650** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **63.6864, 54.6771, 101.8048**, and the grayscale version is **78.4637, 82.5499, 89.8968**.

A 20% lighter version of the original color is **91.9954, 98.7782, 92.8147**, and **38.0605, 49.1636, 27.2222** is the 20% darker color. If you saturate the color by 10%, you get **65.4359, 86.1495, 43.5347**, and if you desaturate by 10%, it is **78.6375, 92.3581, 71.1255**.

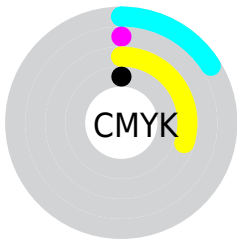
# Distribution



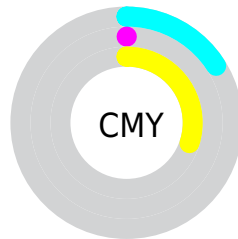
- Red (84%)
- Green (100%)
- Blue (70%)



- Red (70%)
- Yellow (100%)
- Blue (86%)



- Cyan (16%)
- Magenta (0%)
- Yellow (30%)
- Black (0%)




- Cyan (16%)
- Magenta (0%)
- Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.6282, 89.0708, 56.0650 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 71.6282, 89.0708, 56.0650 by changing the saturation by 10% instead.





 71.6282, 89.0708,  
56.0650

 71.6282, 89.0708,  
56.0650


455.4242,  
525.0035, 427.3316

 53.1394, 67.2102,  
39.8507


 120.5414,  
146.0470, 100.5863

 38.1420, 49.2555,  
27.1093


151.6966,  
181.9315, 129.7305

 26.2706, 34.8222,  
17.4221


187.8046,  
223.2593, 164.0216

 17.1599, 23.5259,  
10.3708

229.2307,  
270.4150, 203.8783

 10.4446, 14.9823,  
5.5367

276.3404,  
323.7828, 249.7191

 5.7592, 8.8070,  
2.5013

329.4990,

 2.7385, 4.6155,

383.7473, 301.9626

0.8408

389.0718,  
450.6927, 361.0272

■ 1.0170, 2.0235,  
0.0000

■ 0.0000, 0.6211,  
0.0000

■ 71.6282, 89.0708,  
56.0650

■ 71.6282, 89.0708,  
56.0650

■ 65.4359, 86.1495,  
43.5347

■ 78.6375, 92.3581,  
71.1255

■ 60.0246, 83.5788,  
33.3916

■ 86.4947, 96.0247,  
88.8406

■ 55.3572, 81.3428,  
25.4845

95.0500, 100.0000,  
108.9000

■ 51.3924, 79.4240,  
19.6433

■ 48.0839, 77.8029,  
15.6735

■ 45.3779, 76.4567,  
13.3434

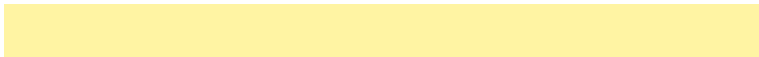
■ 43.1936, 75.3519,  
12.2823

■ 43.1542, 75.3319,  
12.2660

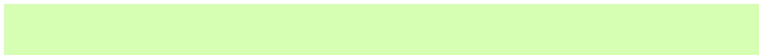
# Harmonies

## Analogous

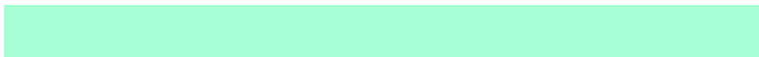
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.2670, 89.0708, 47.3944



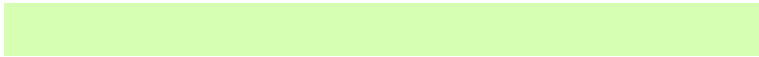
71.6282, 89.0708, 56.0650



65.8536, 89.0708, 76.2970

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.6282, 89.0708, 56.0650



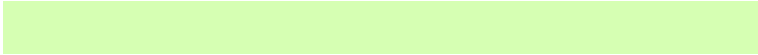
77.0891, 89.0708, 167.9251



108.1140, 89.0708, 87.4649

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



71.6282, 89.0708, 56.0650



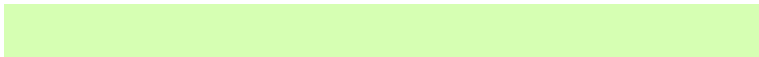
63.6864, 54.6771, 101.8048

# Split Complementary

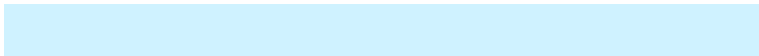
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



106.7418, 89.0708, 121.1059



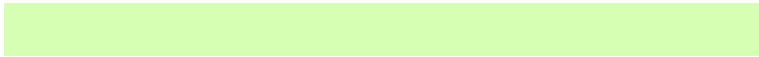
71.6282, 89.0708, 56.0650



88.1444, 89.0708, 172.8061

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.6282, 89.0708, 56.0650



68.8050, 89.0708, 141.9813



99.1817, 89.0708, 154.1218

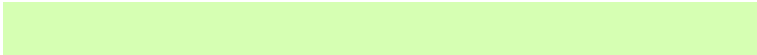


102.7788, 89.0708, 62.6649

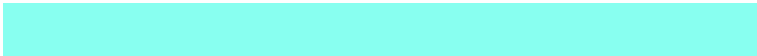


# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.6282, 89.0708, 56.0650



64.6431, 89.0708, 95.9571



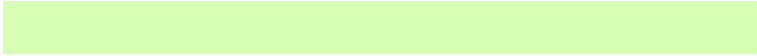
99.1817, 89.0708, 154.1218



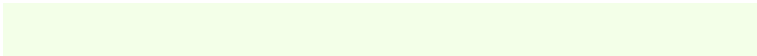
108.4314, 89.0708, 98.0161

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



71.6286, 89.0710, 56.0663



87.1633, 96.3360, 90.3819



74.8481, 75.4571, 53.2689



18.3981, 20.4995, 18.7505



0.0000, 0.0000, 0.0000

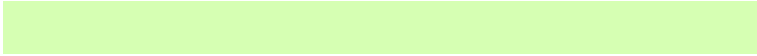


20.3446, 21.4041, 23.3091

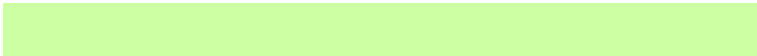


# Same Dimension

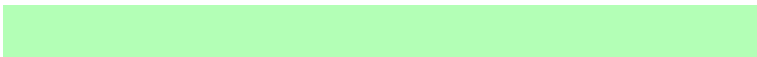
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.6286, 89.0710, 56.0663



67.6970, 87.2184, 48.0112



62.7466, 84.4622, 57.0006



18.5665, 20.5779, 19.1377



22.7169, 39.4490, 6.4171



2.3362, 3.9051, 0.6306



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



63.6864, 54.6771, 101.8048



58.5435, 47.5905, 100.7080



75.0054, 60.5591, 100.2196



17.9392, 17.8604, 22.7519



15.0453, 6.6666, 49.9284

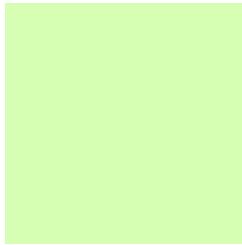


1.5910, 0.7141, 4.8673



# Previews

## White Background



This preview shows how the XYZ color 71.6282, 89.0708, 56.0650 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

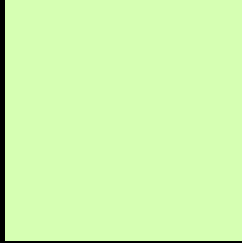
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.6282, 89.0708, 56.0650 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

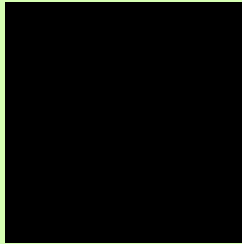
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

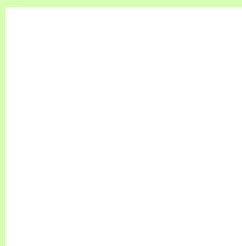
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 71.6282, 89.0708, 56.0650**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.6282, 89.0708, 56.0650.



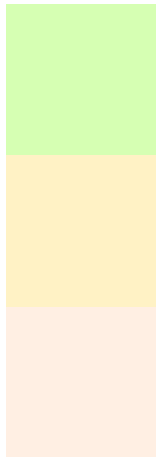
This preview shows how white text looks on a background with the XYZ color 71.6282, 89.0708,

56.0650.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

71.6282, 89.0708, 56.0650

### Protanopia

83.0702, 88.7955, 65.5843

### Deuteranopia

85.9716, 88.5391, 85.2316



## Tritanopia

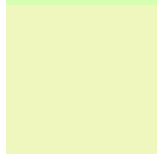
83.7049, 88.6448, 107.3062

# Trichromacy



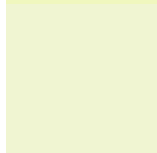
## Original Color

71.6282, 89.0708, 56.0650



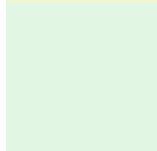
## Protanomaly

78.4902, 88.7645, 61.7116



## Deuteranomaly

80.2204, 88.4832, 73.8237



## Tritanomaly

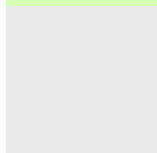
78.4899, 88.2363, 85.5675

# Monochromacy



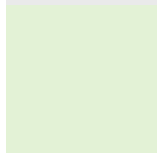
## Original Color

71.6282, 89.0708, 56.0650



## Achromatopsia

78.2058, 82.2786, 89.6014



## Achromatomaly

75.5683, 84.6902, 75.9823

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.6282, 89.0708, 56.0650 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(214, 255, 179)` looks like.

```
.text, #text, p{  
    color:rgb(214, 255, 179)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(214, 255, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 255, 179) }
```

## Border

The CSS property to change the border of an element to XYZ 71.6282, 89.0708, 56.0650 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(214, 255, 179) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(214, 255, 179) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(214, 255, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 255, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 255, 179);  
box-shadow:4px 4px 4px 4px rgb(214, 255,  
179) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.6282, 89.0708, 56.0650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 255, 179) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(214,  
255, 179) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor