

# Converting Colors

XYZ(122.3986, 190.9047,  
73.3000)

Have a look what the booklet for  
XYZ(122.3986, 190.9047, 73.3000)  
contains.

<b>XYZ(71.3373, 88.9208, 56.0514)</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(71.3373, 88.9208,  
56.0514)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D5FFB3
RGB	213, 255, 179
RGB Percent	84%, 100%, 70%
CMY	0.1647, 0.0000, 0.2980
CMYK	0.16, 0.00, 0.30, 0.00
HSL	93°, 100%, 85%
HSV	93°, 30%, 100%
XYZ	71.3373, 88.9208, 56.0514
YIQ	233.7780, -0.6360, -32.5400

# Conversions

## Conversions Part 2

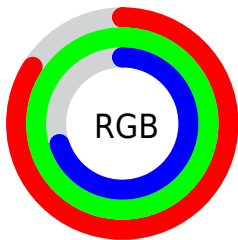
<b>Format</b>	<b>Color</b>
<b>RYB</b>	179, 255, 221
Decimal	14024627
CIELab	95.55, -26.42, 32.03
CIELCh	96, 41.521, 129.511
Yxy	88.9208, 0.3298, 0.4111
Android (android.graphics.Color)	4292214707 (0xFFD5FFB3)
YUV	233.7780, -27.0056, -18.2223
Hunter-Lab	94.2978, -29.9841, 30.7660

# Details

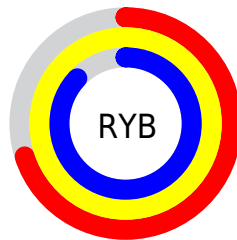
The XYZ color **71.3373, 88.9208, 56.0514** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **63.9899, 54.8336, 101.8191**, and the grayscale version is **78.2365, 82.3109, 89.6365**.

A 20% lighter version of the original color is **91.9954, 98.7782, 92.8147**, and **37.8646, 49.0626, 27.2130** is the 20% darker color. If you saturate the color by 10%, you get **65.0803, 85.9662, 43.5181**, and if you desaturate by 10%, it is **78.4274, 92.2498, 71.1157**.

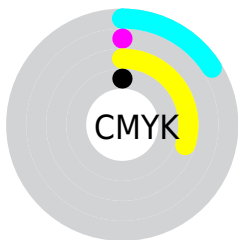
# Distribution



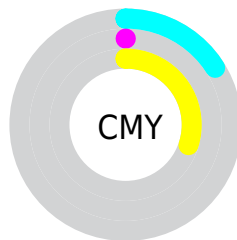
- Red (84%)
- Green (100%)
- Blue (70%)



- Red (70%)
- Yellow (100%)
- Blue (87%)



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




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


# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.3373, 88.9208, 56.0514 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 71.3373, 88.9208, 56.0514 by changing the saturation by 10% instead.





 71.3373, 88.9208,  
56.0514

 71.3373, 88.9208,  
56.0514


454.4252,  
524.5140, 427.2789

 52.9010, 67.0859,  
39.8399


 120.1298,  
145.8384, 100.5663

 37.9509, 49.1544,  
27.1009


151.2167,  
181.6900, 129.7067

 26.1216, 34.7420,  
17.4159


187.2512,  
222.9825, 163.9938

 17.0478, 23.4642,  
10.3664

228.5987,  
270.1004, 203.8462

 10.3641, 14.9367,  
5.5338

275.6245,  
323.4281, 249.6823

 5.7051, 8.7749,  
2.4996

328.6939,

 2.7056, 4.5947,

383.3500, 301.9208

0.8399

388.1724,  
450.2505, 360.9802

■ 1.0000, 2.0115,  
0.0000

■ 0.0000, 0.6141,  
0.0000

■ 71.3373, 88.9208,  
56.0514

■ 71.3373, 88.9208,  
56.0514

■ 65.0803, 85.9662,  
43.5181

■ 78.4274, 92.2498,  
71.1157

■ 59.6198, 83.3700,  
33.3727

■ 86.3822, 95.9667,  
88.8353

■ 54.9178, 81.1163,  
25.4640

95.0500, 100.0000,  
108.9000

■ 50.9325, 79.1870,  
19.6218

■ 47.6168, 77.5621,  
15.6517

■ 44.9160, 76.2186,  
13.3218

■ 42.7485, 75.1224,  
12.2614

■ 42.7095, 75.1026,  
12.2452

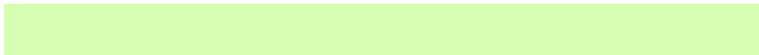
# Harmonies

## Analogous

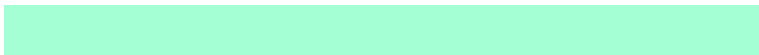
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.9499, 88.9208, 47.2079



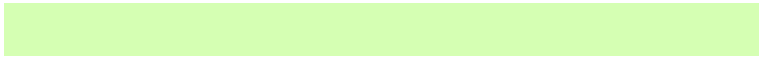
71.3373, 88.9208, 56.0514



65.6205, 88.9208, 76.4873

# Triad

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



71.3373, 88.9208, 56.0514



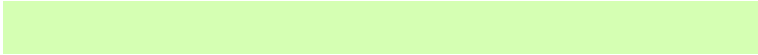
77.0819, 88.9208, 168.2403



108.0026, 88.9208, 86.8231

# Complementary

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



71.3373, 88.9208, 56.0514



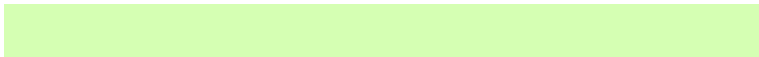
63.9899, 54.8336, 101.8191

# Split Complementary

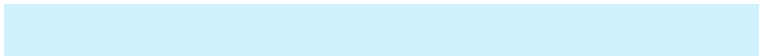
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



106.7310, 88.9208, 120.4692



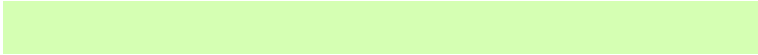
71.3373, 88.9208, 56.0514



88.1864, 88.9208, 172.7680

# Square

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



71.3373, 88.9208, 56.0514



68.7245, 88.9208, 142.4468



99.2266, 88.9208, 153.7038

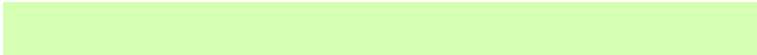


102.5595, 88.9208, 62.1525

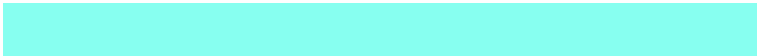


# Rectangle

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



71.3373, 88.9208, 56.0514



64.4580, 88.9208, 96.2856



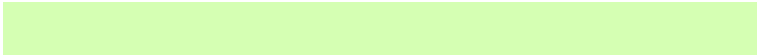
99.2266, 88.9208, 153.7038



108.3565, 88.9208, 97.3556

# Sweetspot

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



71.3378, 88.9210, 56.0527



87.0594, 96.2824, 90.3770



75.1809, 76.1227, 53.3798



18.3726, 20.4864, 18.7493



0.0000, 0.0000, 0.0000

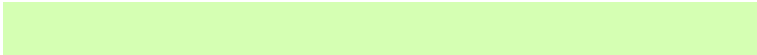


20.3446, 21.4041, 23.3091

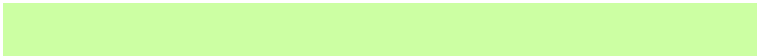


# Same Dimension

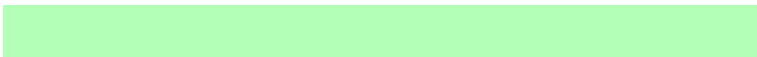
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.3378, 88.9210, 56.0527



67.3641, 87.0468, 47.9956



62.8777, 84.5147, 57.6909



18.5431, 20.5659, 19.1366



22.4826, 39.3283, 6.4062



2.3125, 3.8929, 0.6295



# Inverse Universe

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



63.9899, 54.8336, 101.8191



58.8945, 47.7714, 100.7245



74.8048, 60.4789, 99.1632



17.9629, 17.8726, 22.7530



15.3388, 6.8179, 49.9421



1.6193, 0.7287, 4.8686



# Previews

## White Background



This preview shows how the XYZ color 71.3373, 88.9208, 56.0514 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 71.3373, 88.9208, 56.0514 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

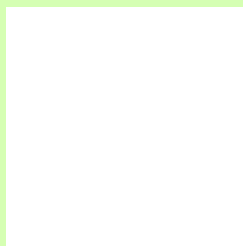
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 71.3373, 88.9208, 56.0514**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.3373, 88.9208, 56.0514.



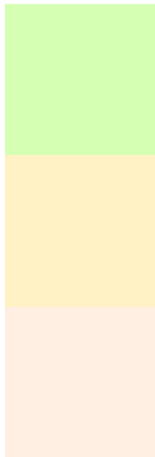
This preview shows how white text looks on a background with the XYZ color 71.3373, 88.9208,

56.0514.

# 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

71.3373, 88.9208, 56.0514

### Protanopia

82.6591, 88.1561, 64.8838

### Deuteranopia

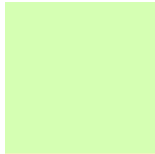
85.9716, 88.5391, 85.2316



## Tritanopia

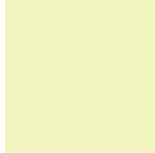
83.3793, 88.4770, 107.2909

# Trichromacy



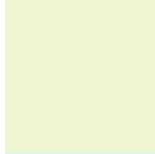
## Original Color

71.3373, 88.9208, 56.0514



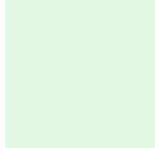
## Protanomaly

78.1852, 88.1545, 61.6099



## Deuteranomaly

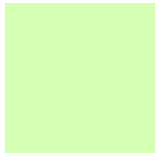
80.2204, 88.4832, 73.8237



## Tritanomaly

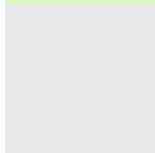
78.1772, 88.0751, 85.5529

# Monochromacy



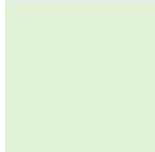
## Original Color

71.3373, 88.9208, 56.0514



## Achromatopsia

78.2058, 82.2786, 89.6014



## Achromatomaly

75.2538, 84.5281, 75.9676

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.3373, 88.9208, 56.0514 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(213, 255, 179)` looks like.

```
.text, #text, p{  
    color:rgb(213, 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(213, 255, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 255, 179) }
```

## Border

The CSS property to change the border of an element to XYZ 71.3373, 88.9208, 56.0514 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(213, 255, 179) }
```



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

```
.border{ border-color:rgb(213, 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(213, 255, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 255, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 255, 179);  
box-shadow:4px 4px 4px 4px rgb(213, 255,  
179) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.3373, 88.9208, 56.0514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 255, 179) }
```

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

```
.background{ background-color: rgb(213,  
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](#).

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