

# Converting Colors

XYZ(87.5089, 114.4300,  
60.1337)

Have a look what the booklet for  
XYZ(87.5089, 114.4300, 60.1337)  
contains.

<b>XYZ(75.8916, 91.2687, 56.2645)</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(75.8916, 91.2687,  
56.2645)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E4FFB3
RGB	228, 255, 179
RGB Percent	89%, 100%, 70%
CMY	0.1059, 0.0000, 0.2980
CMYK	0.11, 0.00, 0.30, 0.00
HSL	81°, 100%, 85%
HSV	81°, 30%, 100%
XYZ	75.8916, 91.2687, 56.2645
YIQ	238.2630, 8.3040, -29.3600

# Conversions

## Conversions Part 2

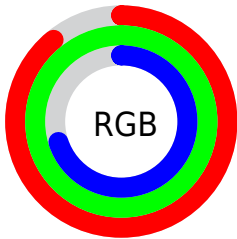
<b>Format</b>	<b>Color</b>
<b>RYB</b>	179, 255, 206
Decimal	15007667
CIELab	96.52, -21.14, 33.51
CIELCh	97, 39.620, 122.248
Yxy	91.2687, 0.3397, 0.4085
Android (android.graphics.Color)	4293197747 (0xFFE4FFB3)
YUV	238.2630, -29.2167, -9.0007
Hunter-Lab	95.5347, -25.3874, 31.9558

# Details

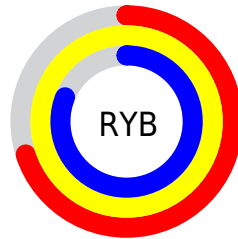
The XYZ color **75.8916, 91.2687, 56.2645** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **59.6247, 52.5832, 101.6148**, and the grayscale version is **81.6859, 85.9399, 93.5886**.

A 20% lighter version of the original color is **91.9954, 98.7782, 92.8147**, and **40.9732, 50.6652, 27.3585** is the 20% darker color. If you saturate the color by 10%, you get **70.7471, 88.8875, 43.7832**, and if you desaturate by 10%, it is **81.6645, 93.9186, 71.2671**.

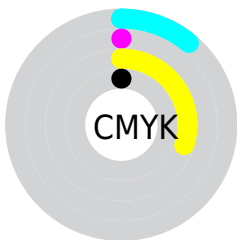
# Distribution



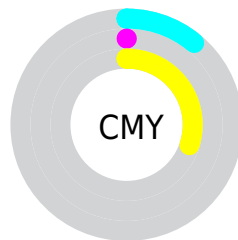
- Red (89%)
- Green (100%)
- Blue (70%)



- Red (70%)
- Yellow (100%)
- Blue (81%)



- Cyan (11%)
- Magenta (0%)
- Yellow (30%)
- Black (0%)



- Cyan (11%)
- Magenta (0%)
- Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.8916, 91.2687, 56.2645 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 75.8916, 91.2687, 56.2645 by changing the saturation by 10% instead.



75.8916, 91.2687,  
56.2645

75.8916, 91.2687,  
56.2645

469.9266,  
532.1493, 428.1038

56.6404, 69.0334,  
40.0096

126.5548,  
149.0994, 100.8808

40.9556, 50.7389,  
27.2322

158.6976,  
185.4636, 130.0794

28.4719, 36.0009,  
17.5137

195.8681,  
227.3062, 164.4296

18.8240, 24.4349,  
10.4356

238.4320,  
275.0116, 204.3499

11.6464, 15.6565,  
5.5794

286.7544,  
328.9643, 250.2590

6.5739, 9.2814,  
2.5264

341.2007,

3.2410, 4.9252,

389.5485, 302.5753

0.8541

402.1364,  
457.1487, 361.7174

■ 1.2825, 2.2034,  
0.0000

■ 0.1700, 0.7219,  
0.0000

■ 75.8916, 91.2687,  
56.2645

■ 75.8916, 91.2687,  
56.2645

■ 70.7471, 88.8875,  
43.7832

■ 81.6645, 93.9186,  
71.2671

■ 66.2011, 86.7629,  
33.6806

■ 88.0911, 96.8477,  
88.9153

■ 62.2230, 84.8822,  
25.8058

95.0500, 100.0000,  
108.9000

■ 58.7779, 83.2314,  
19.9890

■ 55.8267, 81.7945,  
16.0359

■ 53.3229, 80.5525,  
13.7152

■ 51.1936, 79.4760,  
12.6566

■ 51.1539, 79.4559,  
12.6404

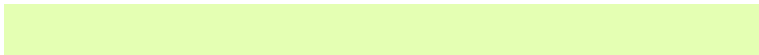
# Harmonies

## Analogous

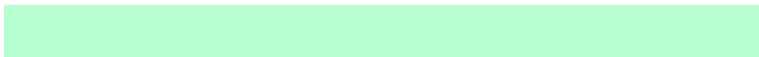
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.9168, 91.2687, 50.1081



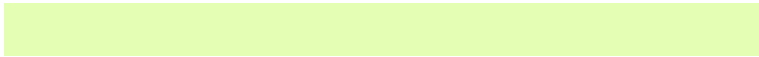
75.8916, 91.2687, 56.2645



69.2614, 91.2687, 73.6358

# Triad

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



75.8916, 91.2687, 56.2645



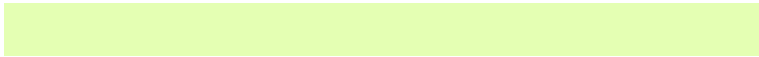
77.2206, 91.2687, 163.5834



109.7725, 91.2687, 97.0067

# Complementary

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



75.8916, 91.2687, 56.2645



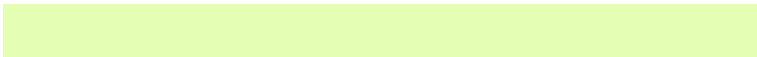
59.6247, 52.5832, 101.6148

# 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.



106.9552, 91.2687, 130.5085



75.8916, 91.2687, 56.2645



87.5848, 91.2687, 173.4747

# Square

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



75.8916, 91.2687, 56.2645



69.9817, 91.2687, 135.5329



98.5937, 91.2687, 160.2760

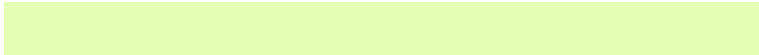


105.9991, 91.2687, 70.2999

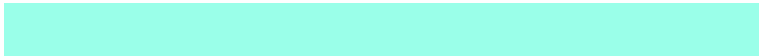


# Rectangle

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



75.8916, 91.2687, 56.2645



67.3420, 91.2687, 91.3879



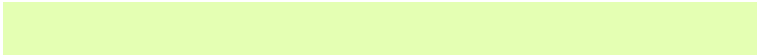
98.5937, 91.2687, 160.2760



109.5645, 91.2687, 107.8167

# Sweetspot

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



75.8920, 91.2688, 56.2658



88.6363, 97.0953, 90.4508



71.3524, 68.4658, 52.1036



18.7611, 20.6866, 18.7675



0.0000, 0.0000, 0.0000

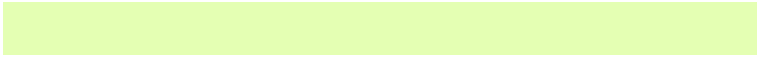


20.3446, 21.4041, 23.3091

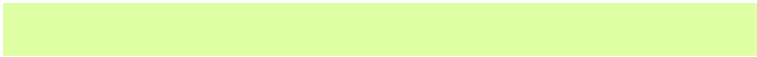


# Same Dimension

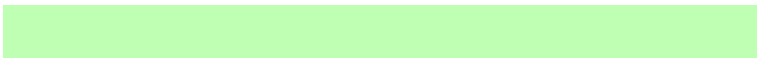
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.8920, 91.2688, 56.2658



72.6315, 89.7622, 48.2421



65.2327, 85.7738, 55.7670



18.8984, 20.7490, 19.1532



26.8975, 41.6042, 6.6128



2.7378, 4.1122, 0.6494



# Inverse Universe

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



59.6247, 52.5832, 101.6148



53.8992, 45.1962, 100.4907



71.3403, 58.6228, 102.1630



17.6119, 17.6917, 22.7365



11.8116, 4.9996, 49.7771

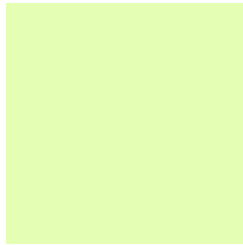


1.2637, 0.5454, 4.8519



# Previews

## White Background



This preview shows how the XYZ color 75.8916, 91.2687, 56.2645 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

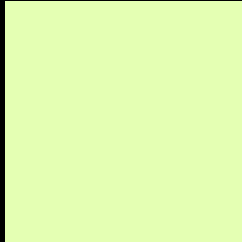
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.8916, 91.2687, 56.2645 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

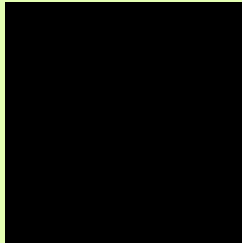
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

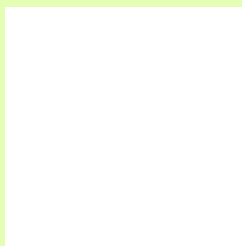
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 75.8916, 91.2687, 56.2645**

## **Background**



This preview shows how black text looks on a background with the XYZ color 75.8916, 91.2687, 56.2645.



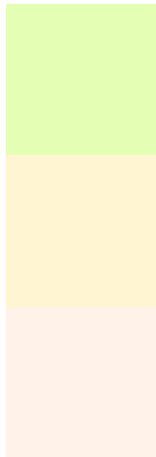
This preview shows how white text looks on a background with the XYZ color 75.8916, 91.2687,



# 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

75.8916, 91.2687, 56.2645

### Protanopia

85.5253, 91.2180, 74.0719

### Deuteranopia

87.7001, 90.6475, 89.9652



## Tritanopia

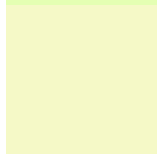
87.0186, 90.7986, 107.5473

# Trichromacy



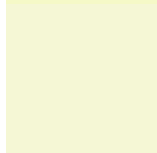
## Original Color

75.8916, 91.2687, 56.2645



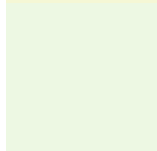
## Protanomaly

81.8407, 91.2874, 67.3396



## Deuteranomaly

82.9272, 90.7381, 76.0943



## Tritanomaly

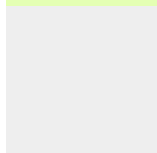
82.3576, 90.6854, 85.8364

# Monochromacy



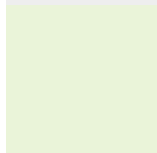
## Original Color

75.8916, 91.2687, 56.2645



## Achromatopsia

81.2670, 85.4993, 93.1087



## Achromatomaly

78.8068, 87.2035, 78.3240

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.8916, 91.2687, 56.2645 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(228, 255, 179)` looks like.

```
.text, #text, p{  
    color:rgb(228, 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(228, 255, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 255, 179) }
```

## Border

The CSS property to change the border of an element to XYZ 75.8916, 91.2687, 56.2645 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(228, 255, 179) }
```



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

```
.border{ border-color:rgb(228, 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(228, 255, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 255, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 255, 179);  
box-shadow:4px 4px 4px 4px rgb(228, 255,  
179) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.8916, 91.2687, 56.2645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 255, 179) }
```

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

```
.background{ background-color: rgb(228,  
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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