

# Converting Colors

XYZ(58.4281, 71.7961, 44.6863)

Have a look what the booklet for  
XYZ(58.4281, 71.7961, 44.6863)  
contains.

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# Color

**XYZ(58.2976, 71.7308,  
44.4910)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C6E7A1
RGB	198, 231, 161
RGB Percent	78%, 91%, 63%
CMY	0.2235, 0.0941, 0.3686
CMYK	0.14, 0.00, 0.30, 0.09
HSL	88°, 59%, 77%
HSV	88°, 30%, 91%
XYZ	58.2976, 71.7308, 44.4910
YIQ	213.1530, 2.8020, -28.7660

# Conversions

## Conversions Part 2

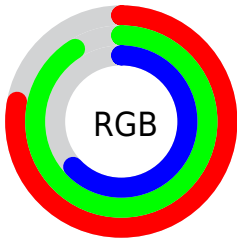
Format	Color
<b>RYB</b>	161, 231, 194
Decimal	13035425
CIELab	87.84, -22.76, 30.62
CIELCh	88, 38.153, 126.621
Yxy	71.7308, 0.3340, 0.4110
Android (android.graphics.Color)	4291225505 (0xFFC6E7A1)
YUV	213.1530, -25.7114, -13.2892
Hunter-Lab	84.6940, -25.3473, 28.1399

# Details

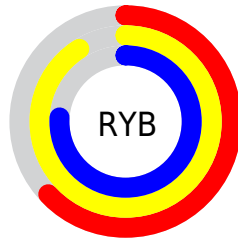
The XYZ color **58.2976, 71.7308, 44.4910** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **49.4198, 42.7306, 81.2484**, and the grayscale version is **63.5152, 66.8229, 72.7702**.

A 20% lighter version of the original color is **89.3947, 97.7379, 79.1194**, and **29.4180, 37.6037, 20.1757** is the 20% darker color. If you saturate the color by 10%, you get **53.6779, 69.5655, 34.6058**, and if you desaturate by 10%, it is **63.5038, 74.1594, 56.3711**.

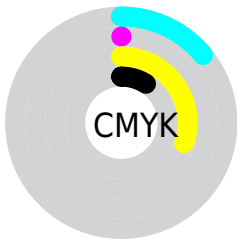
# Distribution



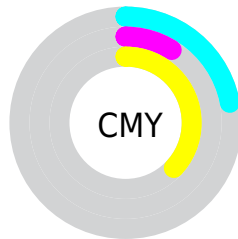
- Red (78%)
- Green (91%)
- Blue (63%)



- Red (63%)
- Yellow (91%)
- Blue (76%)



- Cyan (14%)
- Magenta (0%)
- Yellow (30%)
- Black (9%)




- Cyan (22%)
- Magenta (9%)
- Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.2976, 71.7308, 44.4910 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 58.2976, 71.7308, 44.4910 by changing the saturation by 10% instead.





 58.2976, 71.7308,  
44.4910

 58.2976, 71.7308,  
44.4910


408.2300,  
466.6041, 380.8080

 42.2921, 52.9388,  
30.7167


 101.4766,  
121.6737, 83.2664

 29.5222, 37.7539,  
20.1265


 129.3808,  
153.5934, 109.1046

 19.6225, 25.7918,  
12.3021


161.9820,  
190.6578, 139.8011

 12.2276, 16.6679,  
6.8247

199.6455,  
233.2513, 175.7745

 6.9722, 9.9980,  
3.2759

242.7367,  
281.7583, 217.4434

 3.4909, 5.3976,  
1.2372


291.6210,

 1.4184, 2.4824,


336.5632, 265.2262


0.0095


346.6636,  
398.0503, 319.5416


 0.2692, 0.8678,  
0.0000

 0.0000, 0.0000,  
0.0000


 58.2976, 71.7308,  
44.4910


 58.2976, 71.7308,  
44.4910


 53.6779, 69.5655,  
34.6058


 63.5038, 74.1594,  
56.3711


 49.6142, 67.6436,  
26.6013

 69.3144, 76.8516,  
70.3424

 46.0811, 65.9567,  
20.3589

 75.7531, 79.8199,  
86.5009

 43.0486, 64.4923,  
15.7447

 82.8407, 83.0730,  
104.9351

■ 40.4827, 63.2364,  
12.6055

■ 86.9381, 85.1558,  
106.4623

■ 38.3441, 62.1726,  
10.7590

■ 87.8674, 85.6348,  
106.5058

■ 36.6164, 61.2991,  
9.9020

# Harmonies

## Analogous

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



66.1873, 71.7308, 38.2621



58.2976, 71.7308, 44.4910



53.3941, 71.7308, 59.9175

# Triad

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



58.2976, 71.7308, 44.4910



61.4911, 71.7308, 133.4851



87.0043, 71.7308, 72.4855

# Complementary

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



58.2976, 71.7308, 44.4910



49.4198, 42.7306, 81.2484

# Split Complementary

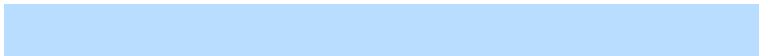
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.4662, 71.7308, 99.6387



58.2976, 71.7308, 44.4910



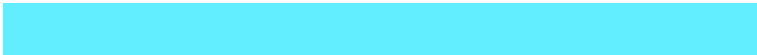
70.2081, 71.7308, 138.9416

# Square

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



58.2976, 71.7308, 44.4910



55.1204, 71.7308, 111.8350



79.1160, 71.7308, 125.4229



83.1502, 71.7308, 51.9430



# Rectangle

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



58.2976, 71.7308, 44.4910



52.2125, 71.7308, 75.1967



79.1160, 71.7308, 125.4229



87.1055, 71.7308, 81.0826

# Sweetspot

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



58.2994, 71.7339, 44.4925



87.7032, 96.6143, 90.4071



58.6084, 58.0001, 41.8254



18.5310, 20.5680, 18.7567



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

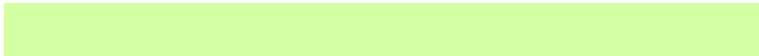


# Same Dimension

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



58.2994, 71.7339, 44.4925



69.4590, 88.1267, 48.0936



50.1837, 67.5501, 44.1127



14.9128, 16.4621, 15.2960



20.6712, 34.4379, 5.5577



1.6346, 2.6000, 0.4157



# Inverse Universe

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



49.4198, 42.7306, 81.2484



56.7703, 46.6763, 100.6251



59.3783, 47.8644, 81.7145



14.2258, 14.2186, 18.1390



11.7566, 5.1266, 42.7531



0.9753, 0.4338, 3.1643



# Previews

## White Background



This preview shows how the XYZ color 58.2976, 71.7308, 44.4910 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 58.2976, 71.7308, 44.4910 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

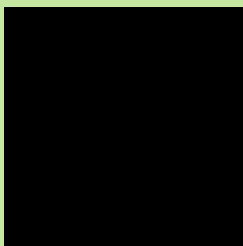
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

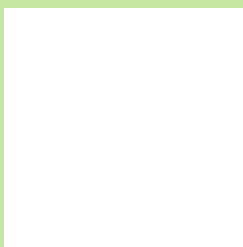
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 58.2976, 71.7308, 44.4910**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.2976, 71.7308, 44.4910.



This preview shows how white text looks on a background with the XYZ color 58.2976, 71.7308,



# 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

58.2976, 71.7308, 44.4910

### Protanopia

66.5190, 71.5912, 41.7651

### Deuteranopia

72.2299, 71.3255, 48.9900



## Tritanopia

67.7309, 71.5002, 91.8925

# Trichromacy



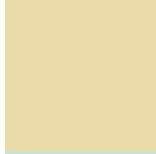
## Original Color

58.2976, 71.7308, 44.4910



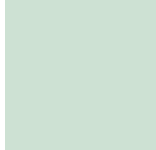
## Protanomaly

63.2586, 71.4679, 42.8084



## Deuteranomaly

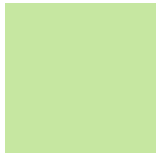
66.3311, 70.9826, 47.2508



## Tritanomaly

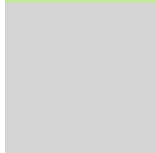
63.8599, 71.5327, 72.0694

# Monochromacy



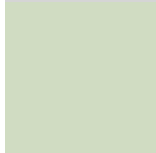
## Original Color

58.2976, 71.7308, 44.4910



## Achromatopsia

63.2451, 66.5387, 72.4607



## Achromatomaly

61.3432, 68.4913, 61.0260

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.2976, 71.7308, 44.4910 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(198, 231, 161)` looks like.

```
.text, #text, p{  
    color:rgb(198, 231, 161)  
}
```

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(198, 231, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 231, 161) }
```

## Border

The CSS property to change the border of an element to XYZ 58.2976, 71.7308, 44.4910 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(198, 231, 161) }
```



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

```
.border{ border-color:rgb(198, 231, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 231, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 231, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 231, 161);  
box-shadow:4px 4px 4px 4px rgb(198, 231,  
161) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.2976, 71.7308, 44.4910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 231, 161) }
```

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

```
.background{ background-color: rgb(198,  
231, 161) }
```

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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