

Converting Colors

XYZ(44.2596, 58.5290, 6.5953)

Have a look what the booklet for
XYZ(44.2596, 58.5290, 6.5953)
contains.

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Color

**XYZ(44.7856, 58.7845,
8.9861)**

Conversions

Conversions Part 1

Format	Color
Hex	BCD600
RGB	188, 214, 0
RGB Percent	74%, 84%, 0%
CMY	0.2627, 0.1608, 0.9999
CMYK	0.12, 0.00, 1.00, 0.16
HSL	67°, 100%, 42%
HSV	67°, 100%, 84%
XYZ	44.7856, 58.7845, 8.9861
YIQ	181.8300, 53.1980, -72.0660

Conversions

Conversions Part 2

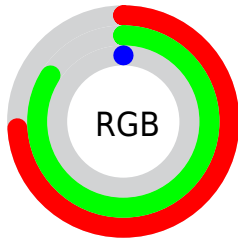
Format	Color
RYB	0, 214, 26
Decimal	12375552
CIELab	81.17, -29.77, 80.46
CIELCh	81, 85.794, 110.304
Yxy	58.7845, 0.3979, 0.5223
Android (android.graphics.Color)	4290565632 (0xFFBCD600)
YUV	181.8300, -89.6422, 5.4111
Hunter-Lab	76.6711, -29.9077, 46.7208

Details

The XYZ color **44.7856, 58.7845, 8.9861** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as middle washed chartreuse. A complement of this color would be **12.5654, 5.0760, 63.9394**, and the grayscale version is **44.8262, 47.1607, 51.3580**.

A 20% lighter version of the original color is **76.1511, 92.1483, 22.5769**, and **21.6041, 29.5421, 4.5635** is the 20% darker color. If you saturate the color by 10%, you get **44.7860, 58.7867, 8.9865**, and if you desaturate by 10%, it is **45.5727, 59.1762, 9.7507**.

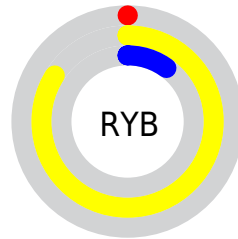
Distribution



Red (74%)

Green (84%)

Blue (0%)



Red (0%)

Yellow (84%)

Blue (10%)

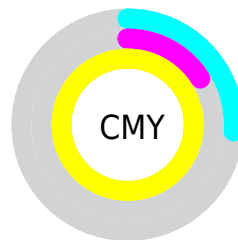


Cyan (12%)

Magenta (0%)

Yellow (100%)

Black (16%)



Cyan (26%)

Magenta (16%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.7856, 58.7845, 8.9861 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 44.7856, 58.7845, 8.9861 by changing the saturation by 10% instead.

■ 44.7856, 58.7845,
8.9861

■ 44.7856, 58.7845,
8.9861

356.7029,
420.1028, 193.4884

■ 31.4891, 42.4397,
4.6354

■ 81.6376, 103.0644,
24.4474

■ 21.1253, 29.4457,
1.9800

■ 105.9239,
131.7682, 36.3951

■ 13.3286, 19.4183,
0.5429

■ 134.6042,
165.3606, 51.7123

■ 7.7337, 11.9729,
0.0000

■ 168.0438,
204.2257, 70.8174

■ 3.9754, 6.7252,
0.0000

■ 206.6081,
248.7481, 94.1290

■ 1.6882, 3.2909,
0.0000

■ 250.6625,

■ 0.4489, 1.2854,

299.3122, 122.0657

0.0000

300.5723,
356.3023, 155.0460

■ 0.0000, 0.1299,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 44.7856, 58.7845,
8.9861

■ 44.7856, 58.7845,
8.9861

■ 44.7860, 58.7867,
8.9865

■ 45.5727, 59.1762,
9.7507

■ 46.5245, 59.6329,
11.3272

■ 47.6934, 60.1779,
13.9865

■ 49.1078, 60.8224,
17.8777

■ 50.7918, 61.5761,
23.1265

■ 52.7663, 62.4473,
29.8434

■ 55.0501, 63.4437,
38.1273

■ 57.6606, 64.5721,
48.0685

■ 60.6135, 65.8389,
59.7507

Harmonies

Analogous

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



61.8570, 58.7845, 7.7740



44.7856, 58.7845, 8.9861



33.3997, 58.7845, 19.5042

Triad

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



44.7856, 58.7845, 8.9861



36.6874, 58.7845, 173.3928



97.0095, 58.7845, 82.0358

Complementary

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



44.7856, 58.7845, 8.9861



12.5654, 5.0760, 63.9394

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.



86.6735, 58.7845, 149.5916



44.7856, 58.7845, 8.9861



50.2877, 58.7845, 218.0883

Square

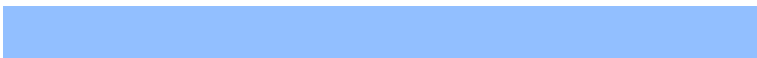
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



44.7856, 58.7845, 8.9861



29.4622, 58.7845, 104.5496



68.6539, 58.7845, 207.6063



94.6554, 58.7845, 35.5893

Rectangle

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



44.7856, 58.7845, 8.9861



29.3809, 58.7845, 36.2571



68.6539, 58.7845, 207.6063



94.8328, 58.7845, 103.1943

Sweetspot

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



44.7869, 58.7872, 8.9873



81.7479, 94.2935, 56.2751



28.0807, 14.9919, 1.4145



17.1768, 20.0432, 10.8665



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.



44.7869, 58.7872, 8.9873



66.5030, 87.3686, 13.3587



27.5323, 49.8921, 8.1798



13.3174, 14.4398, 13.2460



27.1280, 35.5613, 5.4342



1.6790, 2.1669, 0.3298

Inverse Universe

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



12.5654, 5.0760, 63.9394



18.6148, 7.5112, 95.0764



21.6512, 9.7599, 64.3646



11.8814, 12.0803, 15.6430



7.6407, 3.0914, 38.6472



0.5084, 0.2110, 2.3332

Previews

White Background



This preview shows how the XYZ color 44.7856, 58.7845, 8.9861 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 44.7856, 58.7845, 8.9861 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 44.7856, 58.7845, 8.9861

Background



This preview shows how black text looks on a background with the XYZ color 44.7856, 58.7845, 8.9861.



This preview shows how white text looks on a background with the XYZ color 44.7856, 58.7845,

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

44.7856, 58.7845, 8.9861

Protanopia

52.7991, 58.5720, 8.5227

Deuteranopia

59.8223, 58.4598, 9.8000



Tritanopia

57.5910, 58.5905, 72.5637

Trichromacy



Original Color

44.7856, 58.7845, 8.9861

Protanomaly

49.5119, 58.2887, 8.6413

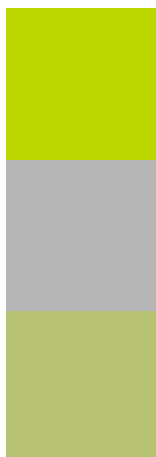
Deuteranomaly

53.2112, 57.7317, 9.1494

Tritanomaly

49.3969, 56.9976, 32.0651

Monochromacy



Original Color

44.7856, 58.7845, 8.9861

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

42.2113, 50.0349, 23.9559

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.7856, 58.7845, 8.9861 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(188, 214, 0)` looks like.

```
.text, #text, p{  
    color:rgb(188, 214, 0)  
}
```

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(188, 214, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 214, 0) }
```

Border

The CSS property to change the border of an element to XYZ 44.7856, 58.7845, 8.9861 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(188, 214, 0) }
```


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

```
.border{ border-color:rgb(188, 214, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 214, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 214, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 214, 0);  
box-shadow:4px 4px 4px 4px rgb(188, 214,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 44.7856, 58.7845, 8.9861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 214, 0) }
```

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

```
.background{ background-color: rgb(188,  
214, 0) }
```

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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