

Converting Colors

XYZ(28.8704, 50.5799, 8.2413)

Have a look what the booklet for
XYZ(28.8704, 50.5799, 8.2413)
contains.

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Color

**XYZ(28.8704, 50.5799,
8.2413)**

Conversions

Conversions Part 1

Format	Color
Hex	60D600
RGB	96, 214, 0
RGB Percent	38%, 84%, 0%
CMY	0.6235, 0.1608, 0.9999
CMYK	0.55, 0.00, 1.00, 0.16
HSL	93°, 100%, 42%
HSV	93°, 100%, 84%
XYZ	28.8704, 50.5799, 8.2413
YIQ	154.3220, -1.6340, -91.5700

Conversions

Conversions Part 2

Format	Color
RYB	0, 214, 118
Decimal	6346240
CIELab	76.42, -62.27, 74.75
CIELCh	76, 97.292, 129.797
Yxy	50.5799, 0.3292, 0.5768
Android (android.graphics.Color)	4284536320 (0xFF60D600)
YUV	154.3220, -76.0807, -51.1484
Hunter-Lab	71.1195, -51.9986, 42.9132

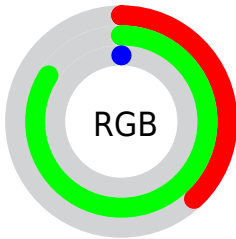
Details

The XYZ color **28.8704, 50.5799, 8.2413** is a dark color, and the websafe version is hex **66CC00**.

The color can be described as dark washed chartreuse. A complement of this color would be **19.6140, 8.7097, 64.2685**, and the grayscale version is **31.1842, 32.8082, 35.7281**.

A 20% lighter version of the original color is **51.4608, 79.4292, 21.0066**, and **12.3020, 24.4924, 4.0791** is the 20% darker color. If you saturate the color by 10%, you get **28.8698, 50.5812, 8.2415**, and if you desaturate by 10%, it is **30.3472, 51.3267, 9.0380**.

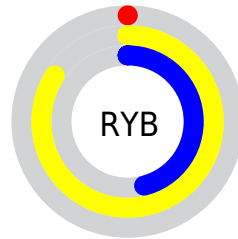
Distribution



Red (38%)

Green (84%)

Blue (0%)



Red (0%)

Yellow (84%)

Blue (46%)

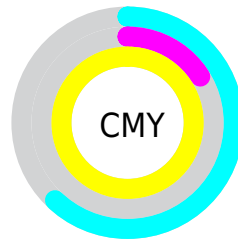


Cyan (55%)

Magenta (0%)

Yellow (100%)

Black (16%)



Cyan (62%)


Magenta (16%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.8704, 50.5799, 8.2413 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 28.8704, 50.5799, 8.2413 by changing the saturation by 10% instead.


 28.8704, 50.5799,
8.2413


 28.8704, 50.5799,
8.2413


288.6082,
388.9294, 187.6173


 19.1266, 35.8744,
4.1598


 57.2701, 91.0335,
22.9841


 11.8663, 24.3372,
1.7134


 76.6567, 117.5504,
34.4824

 6.7243, 15.5839,
0.3699


 99.9883, 148.7731,
49.2900

 3.3351, 9.2302,
0.0000

 127.6302,
185.0862, 67.8256

 1.3333, 4.8917,
0.0000

 159.9478,
226.8740, 90.5075

 0.2080, 2.1838,
0.0000

 197.3064,

 0.0000, 0.7112,

274.5208, 117.7544

0.0000

240.0714,
328.4112, 149.9848

■ 0.0000, 0.0000,
0.0000

■ 28.8704, 50.5799,
8.2413

■ 28.8704, 50.5799,
8.2413

■ 28.8698, 50.5812,
8.2415

■ 30.3472, 51.3267,
9.0380

■ 32.1713, 52.2332,
10.6554

■ 34.4025, 53.3257,
13.3644

■ 37.0760, 54.6193,
17.3144

■ 40.2224, 56.1269,
22.6317

■ 43.8688, 57.8601,
29.4268

■ 48.0401, 59.8295,
37.7989

■ 52.7594, 62.0450,
47.8387

■ 58.0481, 64.5160,
59.6300

Harmonies

Analogous

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



42.3268, 50.5799, 3.4814



28.8704, 50.5799, 8.2413



22.0167, 50.5799, 27.0657

Triad

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



28.8704, 50.5799, 8.2413



36.9080, 50.5799, 214.3439



91.8062, 50.5799, 39.6295

Complementary

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



28.8704, 50.5799, 8.2413



19.6140, 8.7097, 64.2685

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.



89.2848, 50.5799, 97.7703



28.8704, 50.5799, 8.2413



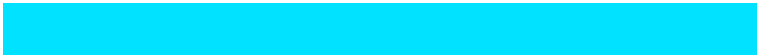
54.3207, 50.5799, 226.2743

Square

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



28.8704, 50.5799, 8.2413



25.7731, 50.5799, 148.1587



74.3273, 50.5799, 174.6164



80.5318, 50.5799, 12.4517

Rectangle

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



28.8704, 50.5799, 8.2413



20.7543, 50.5799, 54.7168



74.3273, 50.5799, 174.6164



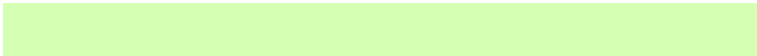
92.5988, 50.5799, 55.4306

Sweetspot

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



28.8716, 50.5821, 8.2424



71.2321, 88.8724, 55.7829



34.1778, 27.1866, 3.4470



14.6626, 18.7471, 10.7488



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.



28.8716, 50.5821, 8.2424



42.7478, 75.1224, 12.2470



24.1068, 48.1190, 8.3257



12.7860, 14.1659, 13.2211



17.5653, 30.6316, 4.9867



1.1539, 1.8963, 0.3052

Inverse Universe

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



19.6140, 8.7097, 64.2685



28.9715, 12.8502, 95.5611



38.5490, 18.6237, 58.2539



12.3908, 12.3429, 15.6669



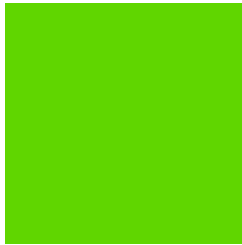
11.9752, 5.3260, 38.8500



0.8170, 0.3700, 2.3477

Previews

White Background



This preview shows how the XYZ color 28.8704, 50.5799, 8.2413 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 28.8704, 50.5799, 8.2413 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 28.8704, 50.5799, 8.2413

Background



This preview shows how black text looks on a background with the XYZ color 28.8704, 50.5799, 8.2413.



This preview shows how white text looks on a background with the XYZ color 28.8704, 50.5799,

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

28.8704, 50.5799, 8.2413

Protanopia

44.8472, 49.8153, 7.2516

Deuteranopia

50.6360, 49.6848, 9.3042



Tritanopia

41.5913, 50.3423, 71.8149

Trichromacy



Original Color

28.8704, 50.5799, 8.2413



Protanomaly

36.3284, 48.3675, 7.4212



Deuteranomaly

38.6076, 47.5358, 8.2391



Tritanomaly

33.3107, 48.7049, 31.3122

Monochromacy



Original Color

28.8704, 50.5799, 8.2413



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

27.4028, 36.9191, 17.2371

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8704, 50.5799, 8.2413 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(96, 214, 0)` looks like.

```
.text, #text, p{  
    color:rgb(96, 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(96, 214, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 214, 0) }
```

Border

The CSS property to change the border of an element to XYZ 28.8704, 50.5799, 8.2413 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(96, 214, 0) }
```


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

```
.border{ border-color:rgb(96, 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(96, 214, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 214, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 214, 0);  
box-shadow:4px 4px 4px 4px rgb(96, 214, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 28.8704, 50.5799, 8.2413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 214, 0) }
```

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

```
.background{ background-color: rgb(96, 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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