

Converting Colors

XYZ(28.0160, 44.3149, 10.0923)

Have a look what the booklet for
XYZ(28.0160, 44.3149, 10.0923)
contains.

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Color

**XYZ(28.1059, 44.4004,
10.1064)**

Conversions

Conversions Part 1

Format	Color
Hex	75C632
RGB	117, 198, 50
RGB Percent	46%, 78%, 20%
CMY	0.5412, 0.2235, 0.8039
CMYK	0.41, 0.00, 0.75, 0.22
HSL	93°, 60%, 49%
HSV	93°, 75%, 78%
XYZ	28.1059, 44.4004, 10.1064
YIQ	156.9090, -0.7680, -63.2000

Conversions

Conversions Part 2

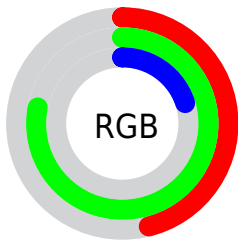
Format	Color
RYB	50, 198, 131
Decimal	7718450
CIELab	72.50, -48.33, 62.02
CIELCh	72, 78.633, 127.928
Yxy	44.4004, 0.3402, 0.5375
Android (android.graphics.Color)	4285908530 (0xFF75C632)
YUV	156.9090, -52.7061, -35.0002
Hunter-Lab	66.6336, -41.3180, 37.6510

Details

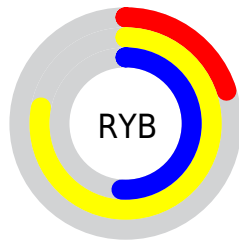
The XYZ color **28.1059, 44.4004, 10.1064** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **20.6961, 11.1852, 54.4968**, and the grayscale version is **32.2379, 33.9168, 36.9354**.

A 20% lighter version of the original color is **56.0407, 81.6746, 26.4468**, and **11.5674, 20.5445, 3.3558** is the 20% darker color. If you saturate the color by 10%, you get **26.3952, 43.5590, 8.2586**, and if you desaturate by 10%, it is **30.1720, 45.4064, 12.9364**.

Distribution



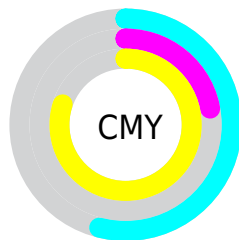
- Red (46%)
- Green (78%)
- Blue (20%)



- Red (20%)
- Yellow (78%)
- Blue (51%)



- Cyan (41%)
- Magenta (0%)
- Yellow (75%)
- Black (22%)





- Cyan (54%)
- Magenta (22%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.1059, 44.4004, 10.1064 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 28.1059, 44.4004, 10.1064 by changing the saturation by 10% instead.


 28.1059, 44.4004,
10.1064


 28.1059, 44.4004,
10.1064


285.0435,
364.3397, 201.9421


 18.5464, 30.9854,
5.3630


 56.0609, 81.8199,
26.6064


 11.4450, 20.5877,
2.3994


 75.1871, 106.5932,
39.2001

 6.4365, 12.8230,
0.7861


 98.2330, 135.9214,
55.2476

 3.1554, 7.3068,
0.0000

 125.5637,
170.1889, 75.1676

 1.2365, 3.6547,
0.0000

 157.5448,
209.7801, 99.3784

 0.1349, 1.4823,
0.0000

 194.5416,

 0.0000, 0.2762,

255.0794, 128.2988

0.0000

236.9193,
306.4711, 162.3472

■ 0.0000, 0.0000,
0.0000

■ 28.1059, 44.4004,
10.1064

■ 28.1059, 44.4004,
10.1064

■ 26.3952, 43.5590,
8.2586

■ 30.1720, 45.4064,
12.9364

■ 25.0052, 42.8632,
7.2544

■ 32.6170, 46.5826,
16.8575

■ 24.3756, 42.5452,
6.9273

■ 35.4654, 47.9408,
21.9674

■ 38.7384, 49.4903,
28.3521

■ 42.4558, 51.2392,
36.0895

■ 46.6356, 53.1955,
45.2516

■ 51.2950, 55.3666,
55.9050

■ 56.4501, 57.7593,
68.1121

■ 62.1162, 60.3802,
81.9320

Harmonies

Analogous

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



38.7027, 44.4004, 5.6726



28.1059, 44.4004, 10.1064



22.3414, 44.4004, 25.3461

Triad

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



28.1059, 44.4004, 10.1064



33.1344, 44.4004, 155.9593



73.6873, 44.4004, 38.7500

Complementary

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



28.1059, 44.4004, 10.1064



20.6961, 11.1852, 54.4968

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.



71.3019, 44.4004, 82.2209



28.1059, 44.4004, 10.1064



45.9045, 44.4004, 166.5914

Square

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



28.1059, 44.4004, 10.1064



24.7811, 44.4004, 110.3792



60.3621, 44.4004, 134.5152



66.3161, 44.4004, 15.4180

Rectangle

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



28.1059, 44.4004, 10.1064



21.1238, 44.4004, 45.6927



60.3621, 44.4004, 134.5152



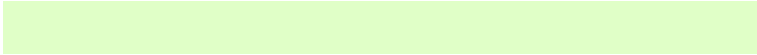
74.0249, 44.4004, 51.0970

Sweetspot

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



28.1069, 44.4023, 10.1074



76.8890, 91.5333, 67.5872



31.7078, 27.9209, 6.7364



16.0408, 19.3965, 13.5707



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.



28.1069, 44.4023, 10.1074



45.0530, 76.2898, 13.2991



22.1989, 41.3436, 10.4169



10.9458, 12.1190, 11.3251



15.9471, 27.7163, 4.5093



0.8383, 1.3552, 0.2174

Inverse Universe

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



20.6961, 11.1852, 54.4968



31.1920, 14.5270, 95.7677



34.0642, 18.1415, 52.1999



10.6022, 10.5687, 13.3987



10.7799, 4.7915, 35.1010



0.5931, 0.2695, 1.6659

Previews

White Background



This preview shows how the XYZ color 28.1059, 44.4004, 10.1064 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 28.1059, 44.4004, 10.1064 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 28.1059, 44.4004, 10.1064

Background



This preview shows how black text looks on a background with the XYZ color 28.1059, 44.4004, 10.1064.



This preview shows how white text looks on a background with the XYZ color 28.1059, 44.4004,

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

28.1059, 44.4004, 10.1064

Protanopia

39.7490, 43.7759, 8.8372

Deuteranopia

44.6909, 43.7252, 10.6418



Tritanopia

38.3052, 44.3104, 60.5667

Trichromacy



Original Color

28.1059, 44.4004, 10.1064

Protanomaly

34.2242, 43.3382, 9.2506

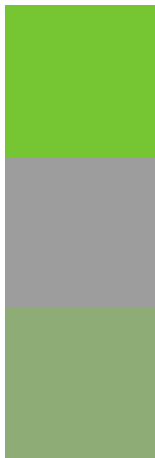
Deuteranomaly

36.4123, 42.6130, 10.3090

Tritanomaly

32.8844, 43.6965, 33.4892

Monochromacy



Original Color

28.1059, 44.4004, 10.1064

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

29.1779, 36.5638, 22.6592

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.1059, 44.4004, 10.1064 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(117, 198, 50)` looks like.

```
.text, #text, p{  
    color:rgb(117, 198, 50)  
}
```

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(117, 198, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 198, 50) }
```

Border

The CSS property to change the border of an element to XYZ 28.1059, 44.4004, 10.1064 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(117, 198, 50) }
```


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

```
.border{ border-color:rgb(117, 198, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 198, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 198, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 198, 50);  
box-shadow:4px 4px 4px 4px rgb(117, 198,  
50) }
```

Background

The CSS property to change the background color of an element to XYZ 28.1059, 44.4004, 10.1064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 198, 50) }
```

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

```
.background{ background-color: rgb(117,  
198, 50) }
```

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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