

Converting Colors

XYZ(27.4597, 47.1282, 7.8920)

Have a look what the booklet for
XYZ(27.4597, 47.1282, 7.8920)
contains.

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Color

**XYZ(27.5022, 47.2958,
7.9092)**

Conversions

Conversions Part 1

Format	Color
Hex	63CF08
RGB	99, 207, 8
RGB Percent	39%, 81%, 3%
CMY	0.6118, 0.1882, 0.9685
CMYK	0.52, 0.00, 0.96, 0.19
HSL	93°, 93%, 42%
HSV	93°, 96%, 81%
XYZ	27.5022, 47.2958, 7.9092
YIQ	152.0220, -0.4890, -84.7850

Conversions

Conversions Part 2

Format	Color
RYB	8, 207, 116
Decimal	6541064
CIELab	74.38, -58.85, 72.38
CIELCh	74, 93.285, 129.117
Yxy	47.2958, 0.3325, 0.5718
Android (android.graphics.Color)	4284731144 (0xFF63CF08)
YUV	152.0220, -71.0028, -46.5003
Hunter-Lab	68.7719, -48.9680, 41.3216

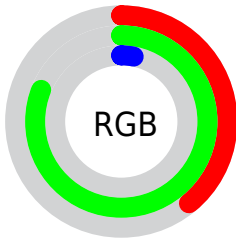
Details

The XYZ color **27.5022, 47.2958, 7.9092** 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 **18.5564, 8.3944, 59.6764**, and the grayscale version is **30.1540, 31.7243, 34.5478**.

A 20% lighter version of the original color is **51.8969, 79.6495, 21.2330**, and **11.6049, 22.6507, 3.7604** is the 20% darker color. If you saturate the color by 10%, you get **26.9962, 47.0415, 7.6571**, and if you desaturate by 10%, it is **28.9919, 48.0451, 8.8902**.

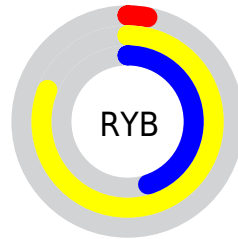
Distribution



Red (39%)

Green (81%)

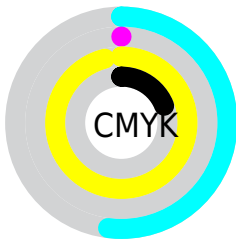
Blue (3%)



Red (3%)

Yellow (81%)

Blue (45%)

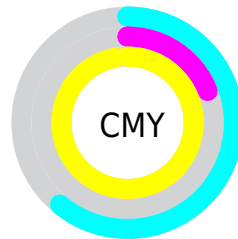


Cyan (52%)

Magenta (0%)

Yellow (96%)

Black (19%)



Cyan (61%)

Magenta (19%)

Yellow (97%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.5022, 47.2958, 7.9092 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 27.5022, 47.2958, 7.9092 by changing the saturation by 10% instead.

■ 27.5022, 47.2958,
7.9092

■ 27.5022, 47.2958,
7.9092

282.2039,
375.9940, 184.9260

■ 18.0893, 33.2696,
3.9500

■ 55.1029, 86.1550,
22.3235

■ 11.1142, 22.3330,
1.5979

■ 74.0214, 111.7567,
33.6156

■ 6.2115, 14.1018,
0.2893

■ 96.8392, 141.9858,
48.1891

■ 3.0160, 8.1915,
0.0000

■ 123.9215,
177.2265, 66.4625

■ 1.1622, 4.2177,
0.0000

■ 155.6338,
217.8632, 88.8543

■ 0.0762, 1.7961,
0.0000

■ 192.3414,

■ 0.0000, 0.4847,

264.2805, 115.7832

0.0000

234.4097,
316.8626, 147.6676

■ 0.0000, 0.0000,
0.0000

■ 27.5022, 47.2958,
7.9092

■ 27.5022, 47.2958,
7.9092

■ 26.9962, 47.0415,
7.6571

■ 28.9919, 48.0451,
8.8902

■ 30.8286, 48.9521,
10.7768

■ 33.0500, 50.0342,
13.7308

■ 35.6863, 51.3042,
17.8800

■ 38.7642, 52.7733,
23.3344

■ 42.3073, 54.4517,
30.1916

■ 46.3378, 56.3489,
38.5396

■ 50.8759, 58.4735,
48.4593

■ 55.9407, 60.8338,
60.0259

Harmonies

Analogous

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



40.0281, 47.2958, 3.5210



27.5022, 47.2958, 7.9092



21.0281, 47.2958, 25.0638

Triad

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



27.5022, 47.2958, 7.9092



34.3964, 47.2958, 195.2505



84.9719, 47.2958, 38.1890

Complementary

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



27.5022, 47.2958, 7.9092



18.5564, 8.3944, 59.6764

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.



82.3792, 47.2958, 92.0011



27.5022, 47.2958, 7.9092



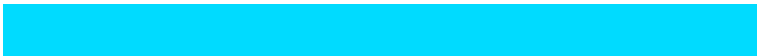
50.2666, 47.2958, 207.4271

Square

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



27.5022, 47.2958, 7.9092



24.2646, 47.2958, 134.6595



68.5603, 47.2958, 161.7427



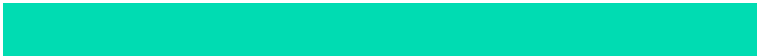
74.9519, 47.2958, 12.4109

Rectangle

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



27.5022, 47.2958, 7.9092



19.7777, 47.2958, 50.0845



68.5603, 47.2958, 161.7427



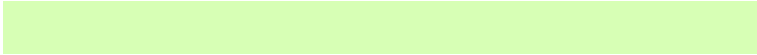
85.5912, 47.2958, 52.9360

Sweetspot

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



27.5033, 47.2978, 7.9102



72.0890, 89.2842, 57.1770



31.8111, 25.3513, 3.4471



14.8361, 18.8309, 11.0111



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.



27.5033, 47.2978, 7.9102



43.0409, 75.2734, 12.2607



22.4981, 44.7129, 7.8839



12.1625, 13.4672, 12.5704



17.1145, 29.6918, 4.8291



1.0479, 1.7071, 0.2743

Inverse Universe

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



18.5564, 8.3944, 59.6764



28.5995, 12.6585, 95.5437



36.2892, 17.6277, 56.3613



11.7680, 11.7292, 14.8874



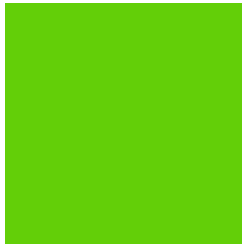
11.4450, 5.0804, 37.5699



0.7309, 0.3309, 2.1049

Previews

White Background



This preview shows how the XYZ color 27.5022, 47.2958, 7.9092 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 27.5022, 47.2958, 7.9092 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

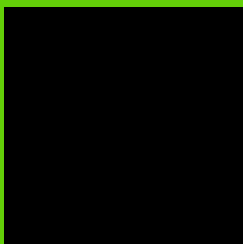
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

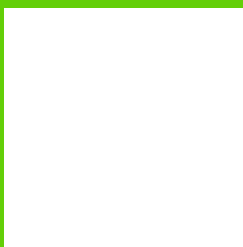
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.5022, 47.2958, 7.9092

Background



This preview shows how black text looks on a background with the XYZ color 27.5022, 47.2958, 7.9092.



This preview shows how white text looks on a background with the XYZ color 27.5022, 47.2958,

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

27.5022, 47.2958, 7.9092

Protanopia

41.9048, 46.4350, 6.7542

Deuteranopia

47.5017, 46.3375, 8.7259



Tritanopia

39.1369, 46.8425, 66.6533

Trichromacy



Original Color

27.5022, 47.2958, 7.9092



Protanomaly

34.3731, 45.3752, 7.0328



Deuteranomaly

36.8747, 44.7367, 7.9198



Tritanomaly

31.6755, 45.4637, 30.0276

Monochromacy



Original Color

27.5022, 47.2958, 7.9092



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

26.7256, 35.4117, 17.4831

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.5022, 47.2958, 7.9092 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(99, 207, 8)` looks like.

```
.text, #text, p{  
    color:rgb(99, 207, 8)  
}
```

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(99, 207, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 207, 8) }
```

Border

The CSS property to change the border of an element to XYZ 27.5022, 47.2958, 7.9092 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(99, 207, 8) }
```


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

```
.border{ border-color:rgb(99, 207, 8) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 207, 8)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 207, 8); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 207, 8);  
box-shadow:4px 4px 4px 4px rgb(99, 207, 8)  
}
```

Background

The CSS property to change the background color of an element to XYZ 27.5022, 47.2958, 7.9092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 207, 8) }
```

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

```
.background{ background-color: rgb(99, 207,  
8) }
```

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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