

Converting Colors

XYZ(27.5380, 45.7933, 12.2388)

Have a look what the booklet for
XYZ(27.5380, 45.7933, 12.2388)
contains.

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Color

**XYZ(27.5369, 45.7914,
12.2378)**

Conversions

Conversions Part 1

Format	Color
Hex	64CB40
RGB	100, 203, 64
RGB Percent	39%, 80%, 25%
CMY	0.6078, 0.2039, 0.7490
CMYK	0.51, 0.00, 0.68, 0.20
HSL	104°, 57%, 52%
HSV	104°, 68%, 80%
XYZ	27.5369, 45.7914, 12.2378
YIQ	156.3570, -16.7690, -65.0650

Conversions

Conversions Part 2

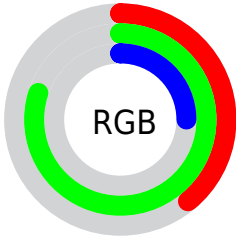
Format	Color
RYB	64, 203, 167
Decimal	6605632
CIELab	73.41, -54.54, 57.64
CIELCh	73, 79.351, 133.419
Yxy	45.7914, 0.3218, 0.5352
Android (android.graphics.Color)	4284795712 (0xFF64CB40)
YUV	156.3570, -45.5320, -49.4251
Hunter-Lab	67.6693, -45.7838, 36.6461

Details

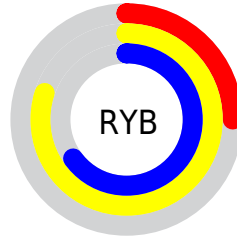
The XYZ color **27.5369, 45.7914, 12.2378** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **28.5519, 16.1958, 58.1237**, and the grayscale version is **31.9633, 33.6279, 36.6208**.

A 20% lighter version of the original color is **53.3878, 80.2228, 30.1235**, and **11.2171, 21.5031, 3.5593** is the 20% darker color. If you saturate the color by 10%, you get **25.5484, 44.8227, 9.6590**, and if you desaturate by 10%, it is **30.0451, 47.0065, 15.9400**.

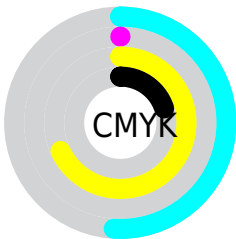
Distribution



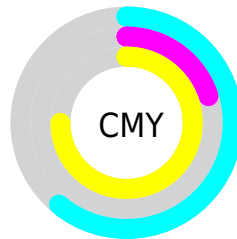
- Red (39%)
- Green (80%)
- Blue (25%)



- Red (25%)
- Yellow (80%)
- Blue (65%)



- Cyan (51%)
- Magenta (0%)
- Yellow (68%)
- Black (20%)



- Cyan (61%)
- Magenta (20%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.5369, 45.7914, 12.2378 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 27.5369, 45.7914, 12.2378 by changing the saturation by 10% instead.

■ 27.5369, 45.7914,
12.2378

■ 27.5369, 45.7914,
12.2378

282.3678,
369.9694, 217.0068

■ 18.1155, 32.0812,
6.7813

■ 55.1581, 83.9067,
30.5983

■ 11.1332, 21.4236,
3.2494

■ 74.0886, 109.0807,
44.3395

■ 6.2244, 13.4340,
1.2233

■ 96.9195, 138.8447,
61.6793

■ 3.0240, 7.7280,
0.0000

■ 124.0162,
173.5831, 83.0362

■ 1.1665, 3.9214,
0.0000

■ 155.7440,
213.6805, 108.8289

■ 0.0796, 1.6297,
0.0000

192.4683,

■ 0.0000, 0.3775,

259.5210, 139.4759

0.0000

234.5544,
311.4892, 175.3957

■ 0.0000, 0.0000,
0.0000

■ 27.5369, 45.7914,
12.2378

■ 27.5369, 45.7914,
12.2378

■ 25.5484, 44.8227,
9.6590

■ 30.0451, 47.0065,
15.9400

■ 24.0352, 44.0762,
8.0728

■ 33.1057, 48.4783,
20.8710

■ 22.9423, 43.5292,
7.2819

■ 36.7526, 50.2237,
27.1277

■ 22.8026, 43.4591,
7.1866

■ 41.0156, 52.2560,
34.7963

■ 45.9227, 54.5880,
43.9559

■ 51.4997, 57.2315,
54.6795

■ 57.7714, 60.1977,
67.0356

■ 64.7609, 63.4971,
81.0884

■ 72.4906, 67.1400,
96.8987

Harmonies

Analogous

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



37.5779, 45.7914, 6.2065



27.5369, 45.7914, 12.2378



22.5073, 45.7914, 30.9563

Triad

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



27.5369, 45.7914, 12.2378



36.2932, 45.7914, 166.0428



75.2605, 45.7914, 34.0409

Complementary

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



27.5369, 45.7914, 12.2378



28.5519, 16.1958, 58.1237

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.



74.7086, 45.7914, 75.2172



27.5369, 45.7914, 12.2378



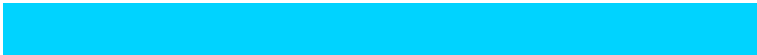
50.0650, 45.7914, 168.5078

Square

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



27.5369, 45.7914, 12.2378



26.7708, 45.7914, 123.7098



64.7398, 45.7914, 129.2994



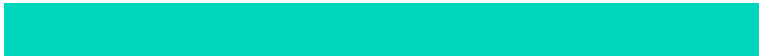
66.1167, 45.7914, 13.4540

Rectangle

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



27.5369, 45.7914, 12.2378



21.8249, 45.7914, 54.5926



64.7398, 45.7914, 129.2994



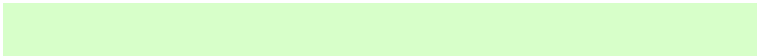
76.2533, 45.7914, 45.4074

Sweetspot

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



27.5380, 45.7933, 12.2388



74.4732, 90.2534, 69.0318



39.1801, 40.3171, 10.5682



15.4431, 19.0817, 13.8452



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.



27.5380, 45.7933, 12.2388



41.5121, 74.4286, 14.7527



25.6031, 44.6566, 18.4425



11.3359, 12.6750, 11.9285



14.5838, 27.6935, 4.5767



0.8251, 1.4662, 0.2395

Inverse Universe

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



28.5519, 16.1958, 58.1237



43.0706, 21.5631, 96.4998



33.7732, 19.2884, 40.2570



11.3930, 11.2519, 14.1417



15.0037, 6.9422, 36.5055



0.8423, 0.3933, 1.8865

Previews

White Background



This preview shows how the XYZ color 27.5369, 45.7914, 12.2378 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 27.5369, 45.7914, 12.2378 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

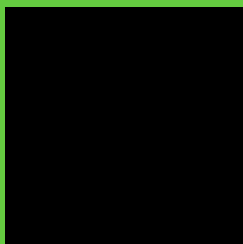
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.5369, 45.7914, 12.2378

Background



This preview shows how black text looks on a background with the XYZ color 27.5369, 45.7914, 12.2378.



This preview shows how white text looks on a background with the XYZ color 27.5369, 45.7914,

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

27.5369, 45.7914, 12.2378

Protanopia

40.7032, 44.8250, 10.5098

Deuteranopia

45.7689, 44.7870, 12.8891



Tritanopia

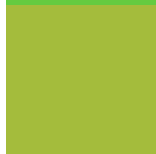
38.0371, 45.6703, 64.5681

Trichromacy



Original Color

27.5369, 45.7914, 12.2378



Protanomaly

34.1087, 44.1852, 11.0058



Deuteranomaly

36.2254, 43.3758, 12.4243



Tritanomaly

32.6840, 45.1452, 37.5631

Monochromacy



Original Color

27.5369, 45.7914, 12.2378



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

28.6721, 36.5514, 24.2828

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.5369, 45.7914, 12.2378 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(100, 203, 64)` looks like.

```
.text, #text, p{  
    color:rgb(100, 203, 64)  
}
```

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(100, 203, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 203, 64) }
```

Border

The CSS property to change the border of an element to XYZ 27.5369, 45.7914, 12.2378 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(100, 203, 64) }
```


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

```
.border{ border-color:rgb(100, 203, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 203, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 203, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 203, 64);  
box-shadow:4px 4px 4px 4px rgb(100, 203,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 27.5369, 45.7914, 12.2378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 203, 64) }
```

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

```
.background{ background-color: rgb(100,  
203, 64) }
```

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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