

Converting Colors

XYZ(27.1154, 45.6162, 12.9344)

Have a look what the booklet for
XYZ(27.1154, 45.6162, 12.9344)
contains.

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Color

**XYZ(27.0462, 45.5212,
12.9912)**

Conversions

Conversions Part 1

Format	Color
Hex	5ECB45
RGB	94, 203, 69
RGB Percent	37%, 80%, 27%
CMY	0.6314, 0.2039, 0.7294
CMYK	0.54, 0.00, 0.66, 0.20
HSL	109°, 56%, 53%
HSV	109°, 66%, 80%
XYZ	27.0462, 45.5212, 12.9912
YIQ	155.1330, -21.9500, -64.7820

Conversions

Conversions Part 2

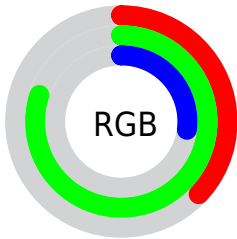
Format	Color
RYB	69, 203, 178
Decimal	6212421
CIELab	73.23, -55.76, 55.39
CIELCh	73, 78.594, 135.189
Yxy	45.5212, 0.3161, 0.5320
Android (android.graphics.Color)	4284402501 (0xFF5ECB45)
YUV	155.1330, -42.4636, -53.6136
Hunter-Lab	67.4694, -46.5168, 35.8123

Details

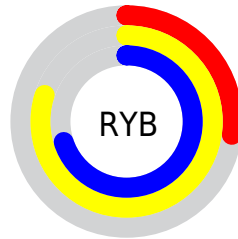
The XYZ color **27.0462, 45.5212, 12.9912** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted green. A complement of this color would be **31.2702, 18.0346, 58.3352**, and the grayscale version is **31.4049, 33.0404, 35.9810**.

A 20% lighter version of the original color is **52.4720, 79.7224, 31.3613**, and **10.9046, 21.3414, 3.5733** is the 20% darker color. If you saturate the color by 10%, you get **25.0050, 44.5311, 10.1505**, and if you desaturate by 10%, it is **29.6674, 46.7882, 16.9858**.

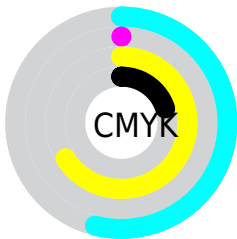
Distribution



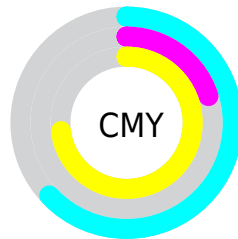
- Red (37%)
- Green (80%)
- Blue (27%)



- Red (27%)
- Yellow (80%)
- Blue (70%)



- Cyan (54%)
- Magenta (0%)
- Yellow (66%)
- Black (20%)



- Cyan (63%)
- Magenta (20%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.0462, 45.5212, 12.9912 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 27.0462, 45.5212, 12.9912 by changing the saturation by 10% instead.

■ 27.0462, 45.5212,
12.9912

■ 27.0462, 45.5212,
12.9912

280.0442,
368.8804, 222.0671

■ 17.7447, 31.8682,
7.2918

■ 54.3774, 83.5020,
31.9789

■ 10.8654, 21.2608,
3.5641

■ 73.1377, 108.5985,
46.1044

■ 6.0430, 13.3148,
1.3894

■ 95.7817, 138.2783,
63.8756

■ 2.9122, 7.6457,
0.1334

■ 122.6748,
172.9258, 85.7111

■ 1.1075, 3.8691,
0.0000

■ 154.1822,
212.9253, 112.0295

■ 0.0314, 1.6006,
0.0000

190.6693,

■ 0.0000, 0.3580,

258.6613, 143.2492

0.0000

232.5016,
310.5182, 179.7889

■ 0.0000, 0.0000,
0.0000

■ 27.0462, 45.5212,
12.9912

■ 27.0462, 45.5212,
12.9912

■ 25.0050, 44.5311,
10.1505

■ 29.6674, 46.7882,
16.9858

■ 23.4941, 43.7907,
8.3383

■ 32.9063, 48.3450,
22.2365

■ 22.4598, 43.2772,
7.4023

■ 36.8014, 50.2109,
28.8378

■ 22.1513, 43.1233,
7.1561

■ 41.3866, 52.4016,
36.8743

■ 46.6938, 54.9317,
46.4236

■ 52.7527, 57.8150,
57.5577

■ 59.5914, 61.0645,
70.3441

■ 67.2365, 64.6926,
84.8465

■ 75.7133, 68.7111,
101.1248

Harmonies

Analogous

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



36.6830, 45.5212, 6.4595



27.0462, 45.5212, 12.9912



22.3568, 45.5212, 32.5720

Triad

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



27.0462, 45.5212, 12.9912



36.8342, 45.5212, 165.2391



74.2425, 45.5212, 32.2084

Complementary

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



27.0462, 45.5212, 12.9912



31.2702, 18.0346, 58.3352

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.



74.3073, 45.5212, 71.6295



27.0462, 45.5212, 12.9912



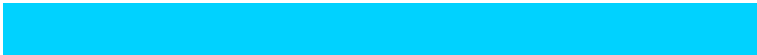
50.5941, 45.5212, 164.9506

Square

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



27.0462, 45.5212, 12.9912



27.1365, 45.5212, 125.3418



64.9422, 45.5212, 124.6869



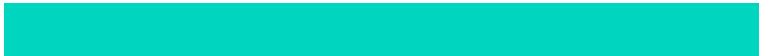
64.7805, 45.5212, 12.8470

Rectangle

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



27.0462, 45.5212, 12.9912



21.8629, 45.5212, 56.7563



64.9422, 45.5212, 124.6869



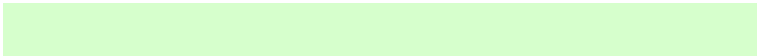
75.4208, 45.5212, 43.0080

Sweetspot

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



27.0473, 45.5231, 12.9922



74.2488, 90.1027, 70.6050



41.2693, 44.2575, 11.9983



15.3558, 19.0299, 14.1486



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.



27.0473, 45.5231, 12.9922



40.7424, 74.0128, 15.5734



26.5827, 45.0876, 21.8274



11.2601, 12.6360, 11.9249



14.1534, 27.4717, 4.5566



0.7904, 1.4483, 0.2379

Inverse Universe

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



31.2702, 18.0346, 58.3352



48.0892, 24.6331, 96.8278



33.3513, 19.5911, 36.5820



11.4744, 11.2939, 14.1455



16.8246, 7.8809, 36.5907



0.9224, 0.4347, 1.8902

Previews

White Background



This preview shows how the XYZ color 27.0462, 45.5212, 12.9912 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 27.0462, 45.5212, 12.9912 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 27.0462, 45.5212, 12.9912

Background



This preview shows how black text looks on a background with the XYZ color 27.0462, 45.5212, 12.9912.



This preview shows how white text looks on a background with the XYZ color 27.0462, 45.5212,

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

27.0462, 45.5212, 12.9912

Protanopia

40.8090, 44.8674, 11.0668

Deuteranopia

45.6415, 44.7008, 13.8120



Tritanopia

37.3181, 45.2996, 64.5344

Trichromacy



Original Color

27.0462, 45.5212, 12.9912



Protanomaly

33.6353, 43.9252, 11.7067



Deuteranomaly

35.7117, 43.0917, 13.2728



Tritanomaly

32.0714, 44.8100, 38.4113

Monochromacy



Original Color

27.0462, 45.5212, 12.9912



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

28.0635, 35.9468, 24.5281

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.0462, 45.5212, 12.9912 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(94, 203, 69)` looks like.

```
.text, #text, p{  
    color:rgb(94, 203, 69)  
}
```

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(94, 203, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 203, 69) }
```

Border

The CSS property to change the border of an element to XYZ 27.0462, 45.5212, 12.9912 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(94, 203, 69) }
```


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

```
.border{ border-color:rgb(94, 203, 69) }
```

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

Here you see how a box with a 4 pixel rgb(94, 203, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 203, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 203, 69);  
box-shadow:4px 4px 4px 4px rgb(94, 203,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 27.0462, 45.5212, 12.9912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 203, 69) }
```

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

```
.background{ background-color: rgb(94, 203,  
69) }
```

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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