

Converting Colors

XYZ(27.4090, 45.8234, 8.0773)

Have a look what the booklet for
XYZ(27.4090, 45.8234, 8.0773)
contains.

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Color

**XYZ(27.4261, 45.8266,
8.0617)**

Conversions

Conversions Part 1

Format	Color
Hex	6ACB14
RGB	106, 203, 20
RGB Percent	42%, 80%, 8%
CMY	0.5843, 0.2039, 0.9215
CMYK	0.48, 0.00, 0.90, 0.20
HSL	92°, 82%, 44%
HSV	92°, 90%, 80%
XYZ	27.4261, 45.8266, 8.0617
YIQ	153.1350, 0.9310, -77.4770

Conversions

Conversions Part 2

Format	Color
RYB	20, 203, 117
Decimal	6998804
CIELab	73.43, -55.08, 70.21
CIELCh	73, 89.241, 128.115
Yxy	45.8266, 0.3373, 0.5636
Android (android.graphics.Color)	4285188884 (0xFF6ACB14)
YUV	153.1350, -65.6356, -41.3374
Hunter-Lab	67.6953, -46.1493, 40.3260

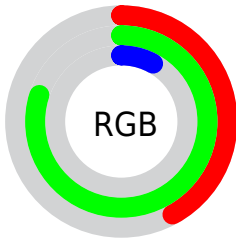
Details

The XYZ color **27.4261, 45.8266, 8.0617** 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 **18.3690, 8.5960, 57.1936**, and the grayscale version is **30.6157, 32.2101, 35.0768**.

A 20% lighter version of the original color is **53.0385, 80.2239, 21.9219**, and **11.4650, 21.6309, 3.5709** is the 20% darker color. If you saturate the color by 10%, you get **26.1169, 45.1677, 7.3417**, and if you desaturate by 10%, it is **29.0494, 46.6346, 9.5059**.

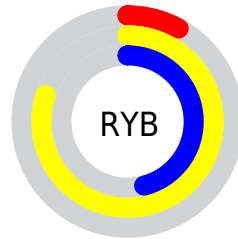
Distribution



Red (42%)

Green (80%)

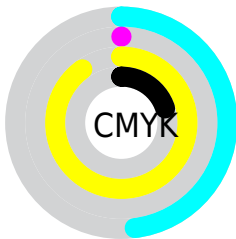
Blue (8%)



Red (8%)

Yellow (80%)

Blue (46%)

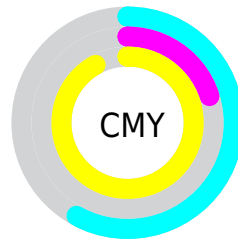


Cyan (48%)

Magenta (0%)

Yellow (90%)

Black (20%)



Cyan (58%)

Magenta (20%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.4261, 45.8266, 8.0617 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 27.4261, 45.8266, 8.0617 by changing the saturation by 10% instead.

■ 27.4261, 45.8266,
8.0617

■ 27.4261, 45.8266,
8.0617

281.8444,
370.1111, 186.1678

■ 18.0317, 32.1090,
4.0461

■ 54.9819, 83.9594,
22.6275

■ 11.0726, 21.4448,
1.6507

■ 73.8741, 109.1435,
34.0147

■ 6.1833, 13.4495,
0.3266

■ 96.6630, 138.9184,
48.6963

■ 2.9986, 7.7388,
0.0000

■ 123.7138,
173.6687, 67.0908

■ 1.1530, 3.9283,
0.0000

■ 155.3920,
213.7787, 89.6166

■ 0.0688, 1.6335,
0.0000

■ 192.0630,

■ 0.0000, 0.3800,

259.6329, 116.6923

0.0000

234.0920,
311.6155, 148.7366

■ 0.0000, 0.0000,
0.0000

■ 27.4261, 45.8266,
8.0617

■ 27.4261, 45.8266,
8.0617

■ 26.1169, 45.1677,
7.3417

■ 29.0494, 46.6346,
9.5059

■ 31.0193, 47.5989,
11.9133

■ 33.3672, 48.7342,
15.4159

■ 36.1192, 50.0515,
20.1246

■ 39.2984, 51.5607,
26.1365

■ 42.9263, 53.2708,
33.5388

■ 47.0223, 55.1903,
42.4113

■ 51.6049, 57.3269,
52.8277

■ 56.6912, 59.6880,
64.8566

Harmonies

Analogous

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



39.4249, 45.8266, 3.8858



27.4261, 45.8266, 8.0617



21.0847, 45.8266, 24.0697

Triad

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



27.4261, 45.8266, 8.0617



33.2259, 45.8266, 181.1910



80.8922, 45.8266, 38.6404

Complementary

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



27.4261, 45.8266, 8.0617



18.3690, 8.5960, 57.1936

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.



78.0889, 45.8266, 89.6585



27.4261, 45.8266, 8.0617



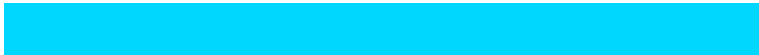
47.9678, 45.8266, 194.1917

Square

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



27.4261, 45.8266, 8.0617



23.8282, 45.8266, 124.7487



65.0235, 45.8266, 153.8089



71.9554, 45.8266, 13.2510

Rectangle

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



27.4261, 45.8266, 8.0617



19.7787, 45.8266, 47.1009



65.0235, 45.8266, 153.8089



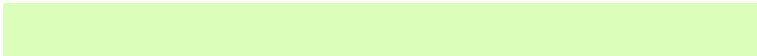
81.3258, 45.8266, 52.8024

Sweetspot

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



27.4272, 45.8286, 8.0627



73.7027, 90.0545, 60.0357



30.8367, 24.9087, 3.8451



15.2908, 19.0478, 11.8234



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.



27.4272, 45.8286, 8.0627



43.4812, 75.5004, 12.2813



21.8010, 42.9248, 7.9503



11.5609, 12.7910, 11.9390



16.7233, 28.7965, 4.6769



0.9501, 1.5306, 0.2454

Inverse Universe

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



18.3690, 8.5960, 57.1936



28.0702, 12.3856, 95.5189



35.3001, 17.3659, 56.1070



11.1600, 11.1318, 14.1308



10.8718, 4.8121, 36.3121



0.6481, 0.2932, 1.8774

Previews

White Background



This preview shows how the XYZ color 27.4261, 45.8266, 8.0617 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 27.4261, 45.8266, 8.0617 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

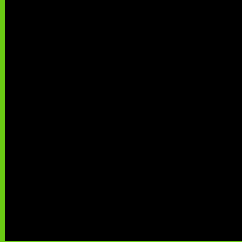
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.4261, 45.8266, 8.0617

Background



This preview shows how black text looks on a background with the XYZ color 27.4261, 45.8266, 8.0617.



This preview shows how white text looks on a background with the XYZ color 27.4261, 45.8266,

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

27.4261, 45.8266, 8.0617

Protanopia

40.7222, 45.2166, 6.8111

Deuteranopia

45.8997, 44.9465, 8.7390



Tritanopia

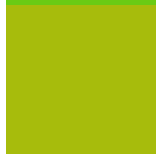
38.6124, 45.6604, 63.9050

Trichromacy



Original Color

27.4261, 45.8266, 8.0617



Protanomaly

33.9859, 44.2085, 7.0897



Deuteranomaly

36.3378, 43.5284, 8.1557



Tritanomaly

31.9755, 44.6007, 30.5904

Monochromacy



Original Color

27.4261, 45.8266, 8.0617



Achromatopsia

30.2779, 31.8547, 34.6897



Achromatomaly

27.2661, 35.3800, 18.7565

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.4261, 45.8266, 8.0617 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(106, 203, 20)` looks like.

```
.text, #text, p{  
    color:rgb(106, 203, 20)  
}
```

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(106, 203, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 203, 20) }
```

Border

The CSS property to change the border of an element to XYZ 27.4261, 45.8266, 8.0617 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(106, 203, 20) }
```


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

```
.border{ border-color:rgb(106, 203, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 203, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 203, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 203, 20);  
box-shadow:4px 4px 4px 4px rgb(106, 203,  
20) }
```

Background

The CSS property to change the background color of an element to XYZ 27.4261, 45.8266, 8.0617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 203, 20) }
```

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

```
.background{ background-color: rgb(106,  
203, 20) }
```

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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