

Converting Colors

XYZ(27.5879, 38.0036, 5.8814)

Have a look what the booklet for
XYZ(27.5879, 38.0036, 5.8814)
contains.

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Color

**XYZ(27.6217, 38.1695,
5.9116)**

Conversions

Conversions Part 1

Format	Color
Hex	90B300
RGB	144, 179, 0
RGB Percent	56%, 70%, 0%
CMY	0.4353, 0.2980, 0.9999
CMYK	0.20, 0.00, 1.00, 0.30
HSL	72°, 100%, 35%
HSV	72°, 100%, 70%
XYZ	27.6217, 38.1695, 5.9116
YIQ	148.1290, 36.5990, -63.0890

Conversions

Conversions Part 2

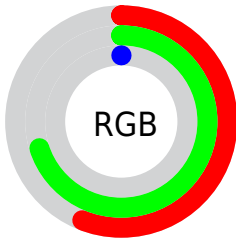
Format	Color
RYB	0, 179, 35
Decimal	9483008
CIELab	68.15, -31.51, 69.35
CIELCh	68, 76.169, 114.435
Yxy	38.1695, 0.3852, 0.5323
Android (android.graphics.Color)	4287673088 (0xFF90B300)
YUV	148.1290, -73.0276, -3.6211
Hunter-Lab	61.7815, -28.3125, 37.5738

Details

The XYZ color **27.6217, 38.1695, 5.9116** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **8.8312, 3.6129, 42.8820**, and the grayscale version is **28.4886, 29.9723, 32.6398**.

A 20% lighter version of the original color is **55.4406, 72.5233, 18.2841**, and **11.4854, 16.9964, 2.6753** is the 20% darker color. If you saturate the color by 10%, you get **27.6219, 38.1709, 5.9119**, and if you desaturate by 10%, it is **28.3520, 38.5347, 6.5124**.

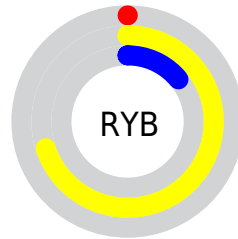
Distribution



Red (56%)

Green (70%)

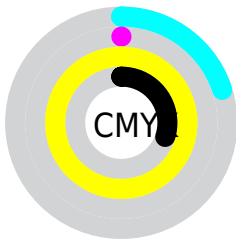
Blue (0%)



Red (0%)

Yellow (70%)

Blue (14%)

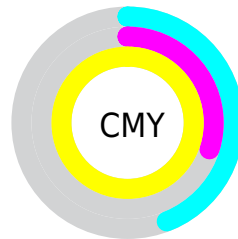


Cyan (20%)

Magenta (0%)

Yellow (100%)

Black (30%)



Cyan (44%)

Magenta (30%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.6217, 38.1695, 5.9116 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 27.6217, 38.1695, 5.9116 by changing the saturation by 10% instead.

■ 27.6217, 38.1695,
5.9116

■ 27.6217, 38.1695,
5.9116

282.7678,
338.3465, 167.5582

■ 18.1797, 26.1143,
2.7235

■ 55.2928, 72.3679,
18.2216

■ 11.1795, 16.9091,
0.9552

■ 74.2525, 95.2798,
28.1806

■ 6.2559, 10.1697,
0.0000

■ 97.1156, 122.5794,
41.2336

■ 3.0434, 5.5116,
0.0000

■ 124.2473,
154.6511, 57.7992

■ 1.1768, 2.5505,
0.0000

■ 156.0130,
191.8792, 78.2959

■ 0.0879, 0.9018,
0.0000

■ 192.7781,

■ 0.0000, 0.0000,

234.6483, 103.1423

0.0000

234.9079,
283.3426, 132.7569

■ 27.6217, 38.1695,
5.9116

■ 27.6217, 38.1695,
5.9116

■ 27.6219, 38.1709,
5.9119

■ 28.3520, 38.5347,
6.5124

■ 29.1993, 38.9476,
7.6332

■ 30.2024, 39.4250,
9.4734

■ 31.3794, 39.9742,
12.1278

■ 32.7457, 40.6015,
15.6769

■ 34.3149, 41.3121,
20.1914

■ 36.0993, 42.1112,
25.7350

■ 38.1102, 43.0031,
32.3660

■ 40.3578, 43.9921,
40.1383

Harmonies

Analogous

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



38.5409, 38.1695, 4.5235



27.6217, 38.1695, 5.9116



20.6815, 38.1695, 13.9299

Triad

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



27.6217, 38.1695, 5.9116



24.5427, 38.1695, 120.7872



64.1140, 38.1695, 48.2368

Complementary

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



27.6217, 38.1695, 5.9116



8.8312, 3.6129, 42.8820

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.



58.2289, 38.1695, 92.4426



27.6217, 38.1695, 5.9116



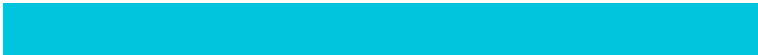
34.1073, 38.1695, 146.6851

Square

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



27.6217, 38.1695, 5.9116



19.1948, 38.1695, 74.9445



46.5789, 38.1695, 134.1819



61.3205, 38.1695, 19.9372

Rectangle

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



27.6217, 38.1695, 5.9116



18.4147, 38.1695, 26.3535



46.5789, 38.1695, 134.1819



63.0521, 38.1695, 61.7157

Sweetspot

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



27.6226, 38.1712, 5.9124



64.4748, 75.3381, 45.5290



19.1307, 10.6626, 1.0503



13.9805, 16.5554, 9.1282



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



27.6226, 38.1712, 5.9124



49.2830, 68.2643, 10.5788



17.7911, 33.1029, 5.4523



9.0310, 9.8210, 9.0722



19.5707, 26.9991, 4.1799



0.6575, 0.8710, 0.1335

Inverse Universe

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



8.8312, 3.6129, 42.8820



15.6717, 6.3956, 76.7897



16.2094, 7.4166, 43.2273



8.1920, 8.3075, 10.6781



6.2829, 2.5748, 30.3028



0.2433, 0.1045, 0.9556

Previews

White Background



This preview shows how the XYZ color 27.6217, 38.1695, 5.9116 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 27.6217, 38.1695, 5.9116 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 27.6217, 38.1695, 5.9116

Background



This preview shows how black text looks on a background with the XYZ color 27.6217, 38.1695, 5.9116.



This preview shows how white text looks on a background with the XYZ color 27.6217, 38.1695,

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

27.6217, 38.1695, 5.9116

Protanopia

34.1297, 37.8372, 5.5045

Deuteranopia

38.6122, 37.7735, 6.6224



Tritanopia

36.1725, 37.9387, 48.5964

Trichromacy



Original Color

27.6217, 38.1695, 5.9116

Protanomaly

31.3575, 37.7837, 5.6403

Deuteranomaly

33.5890, 37.2751, 6.0863

Tritanomaly

30.9838, 37.2336, 21.7734

Monochromacy



Original Color

27.6217, 38.1695, 5.9116

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

26.4511, 31.8075, 15.3350

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.6217, 38.1695, 5.9116 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(144, 179, 0)` looks like.

```
.text, #text, p{  
    color:rgb(144, 179, 0)  
}
```

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(144, 179, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 179, 0) }
```

Border

The CSS property to change the border of an element to XYZ 27.6217, 38.1695, 5.9116 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(144, 179, 0) }
```


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

```
.border{ border-color:rgb(144, 179, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 179, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 179, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 179, 0);  
box-shadow:4px 4px 4px 4px rgb(144, 179,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 27.6217, 38.1695, 5.9116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 179, 0) }
```

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

```
.background{ background-color: rgb(144,  
179, 0) }
```

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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