

Converting Colors

XYZ(29.2099, 34.9942, 5.7280)

Have a look what the booklet for
XYZ(29.2099, 34.9942, 5.7280)
contains.

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Color

**XYZ(29.2822, 35.0577,
5.7538)**

Conversions

Conversions Part 1

Format	Color
Hex	A6A511
RGB	166, 165, 17
RGB Percent	65%, 65%, 7%
CMY	0.3490, 0.3529, 0.9333
CMYK	0.00, 0.01, 0.90, 0.35
HSL	60°, 81%, 36%
HSV	60°, 90%, 65%
XYZ	29.2822, 35.0577, 5.7538
YIQ	148.4270, 48.1040, -45.8160

Conversions

Conversions Part 2

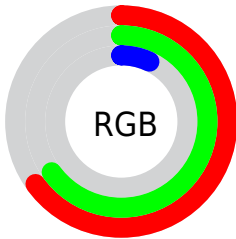
Format	Color
RYB	18, 166, 17
Decimal	10921233
CIELab	65.79, -14.86, 65.97
CIELCh	66, 67.625, 102.697
Yxy	35.0577, 0.4178, 0.5002
Android (android.graphics.Color)	4289111313 (0xFFA6A511)
YUV	148.4270, -64.7935, 15.4115
Hunter-Lab	59.2095, -15.3392, 35.6851

Details

The XYZ color **29.2822, 35.0577, 5.7538** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **7.3307, 3.3052, 36.3278**, and the grayscale version is **28.5767, 30.0649, 32.7407**.

A 20% lighter version of the original color is **57.8567, 67.6429, 17.9897**, and **12.4477, 15.3496, 2.3067** is the 20% darker color. If you saturate the color by 10%, you get **29.1640, 34.9798, 5.2265**, and if you desaturate by 10%, it is **29.4849, 35.1721, 6.7190**.

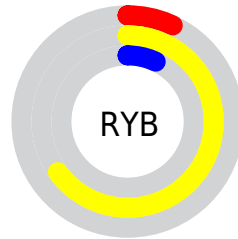
Distribution



Red (65%)

Green (65%)

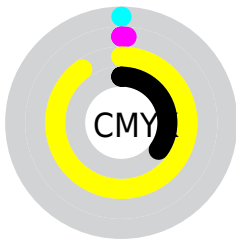
Blue (7%)



Red (7%)

Yellow (65%)

Blue (7%)

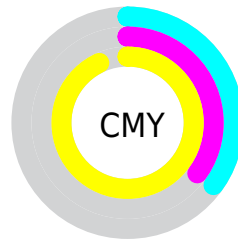


Cyan (0%)

Magenta (1%)

Yellow (90%)

Black (35%)



Cyan (35%)


Magenta (35%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.2822, 35.0577, 5.7538 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 29.2822, 35.0577, 5.7538 by changing the saturation by 10% instead.


 29.2822, 35.0577,
5.7538


 29.2822, 35.0577,
5.7538


290.5144,
324.8229, 166.0824

 19.4398, 23.7073,
2.6296


 57.9196, 67.5751,
17.8865


 12.0944, 15.1167,
0.9077


 77.4453, 89.5110,
27.7320


 6.8806, 8.9013,
0.0000


 100.9294,
115.7441, 40.6551

 3.4332, 4.6769,
0.0000

 128.7374,
146.6590, 57.0742

 1.3868, 2.0589,
0.0000

 161.2345,
182.6399, 77.4080

 0.2468, 0.6414,
0.0000

 198.7861,

 0.0000, 0.0000,

224.0712, 102.0749

0.0000

241.7576,
271.3375, 131.4935

■ 29.2822, 35.0577,
5.7538

■ 29.2822, 35.0577,
5.7538

■ 29.1640, 34.9798,
5.2265

■ 29.4849, 35.1721,
6.7190

■ 29.1612, 34.9779,
5.2144

■ 29.8020, 35.3310,
8.2904

■ 30.2493, 35.5420,
10.5465

■ 30.8391, 35.8100,
13.5536

■ 31.5827, 36.1396,
17.3704

■ 32.4901, 36.5346,
22.0493

■ 33.5703, 36.9989,
27.6388

■ 34.8320, 37.5358,
34.1835

■ 36.2831, 38.1485,
41.7252

Harmonies

Analogous

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



39.3559, 35.0577, 6.0835



29.2822, 35.0577, 5.7538



21.9368, 35.0577, 10.3656

Triad

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



29.2822, 35.0577, 5.7538



21.1223, 35.0577, 88.8311



55.1850, 35.0577, 56.9454

Complementary

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



29.2822, 35.0577, 5.7538



7.3307, 3.3052, 36.3278

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.



48.0882, 35.0577, 94.4261



29.2822, 35.0577, 5.7538



27.9374, 35.0577, 118.2668

Square

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



29.2822, 35.0577, 5.7538



17.8977, 35.0577, 51.5579



37.7157, 35.0577, 120.7116



55.7453, 35.0577, 27.3299

Rectangle

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



29.2822, 35.0577, 5.7538



19.0222, 35.0577, 18.1171



37.7157, 35.0577, 120.7116



53.4284, 35.0577, 69.3080

Sweetspot

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



29.2830, 35.0593, 5.7545



59.3802, 66.4859, 42.1539



16.0482, 8.5569, 1.4443



13.1551, 14.8208, 8.7456



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



29.2830, 35.0593, 5.7545



52.9185, 63.4685, 9.4615



18.3523, 29.6918, 5.2946



8.1425, 8.7651, 8.0519



22.6147, 27.1267, 4.0441



0.5515, 0.6626, 0.0988

Inverse Universe

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



7.3307, 3.3052, 36.3278



12.5076, 5.0282, 65.7866



11.2055, 5.2793, 36.5046



7.1357, 7.3083, 9.4529



5.3481, 2.1564, 28.1098



0.1313, 0.0549, 0.6843

Previews

White Background



This preview shows how the XYZ color 29.2822, 35.0577, 5.7538 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 29.2822, 35.0577, 5.7538 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

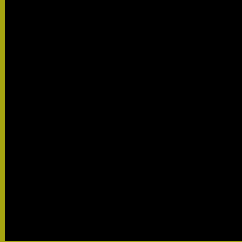
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.2822, 35.0577, 5.7538

Background



This preview shows how black text looks on a background with the XYZ color 29.2822, 35.0577, 5.7538.



This preview shows how white text looks on a background with the XYZ color 29.2822, 35.0577,

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

29.2822, 35.0577, 5.7538

Protanopia

31.4794, 34.8794, 5.5252

Deuteranopia

35.5374, 34.9627, 6.0378



Tritanopia

36.3142, 34.8462, 40.4093

Trichromacy



Original Color

29.2822, 35.0577, 5.7538

Protanomaly

30.6931, 34.9920, 5.6267

Deuteranomaly

32.9715, 34.8755, 5.9136

Tritanomaly

32.1598, 34.1459, 19.9347

Monochromacy



Original Color

29.2822, 35.0577, 5.7538

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

27.3734, 30.9999, 16.5974

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2822, 35.0577, 5.7538 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(166, 165, 17)` looks like.

```
.text, #text, p{  
    color:rgb(166, 165, 17)  
}
```

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(166, 165, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 165, 17) }
```

Border

The CSS property to change the border of an element to XYZ 29.2822, 35.0577, 5.7538 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(166, 165, 17) }
```


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

```
.border{ border-color:rgb(166, 165, 17) }
```

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

Here you see how a box with a 4 pixel rgb(166, 165, 17) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 165, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 165, 17);  
box-shadow:4px 4px 4px 4px rgb(166, 165,  
17) }
```

Background

The CSS property to change the background color of an element to XYZ 29.2822, 35.0577, 5.7538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 165, 17) }
```

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

```
.background{ background-color: rgb(166,  
165, 17) }
```

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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