

Converting Colors

XYZ(29.0773, 30.2815, 6.9118)

Have a look what the booklet for
XYZ(29.0773, 30.2815, 6.9118)
contains.

XYZ(28.9035, 30.1021, 6.8717)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(28.9035, 30.1021,
6.8717)**

Conversions

Conversions Part 1

Format	Color
Hex	B1922E
RGB	177, 146, 46
RGB Percent	69%, 57%, 18%
CMY	0.3059, 0.4274, 0.8196
CMYK	0.00, 0.18, 0.74, 0.31
HSL	46°, 59%, 44%
HSV	46°, 74%, 69%
XYZ	28.9035, 30.1021, 6.8717
YIQ	143.8690, 50.5760, -24.5280

Conversions

Conversions Part 2

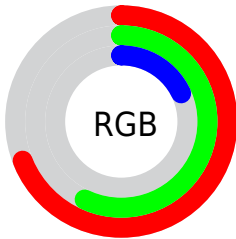
Format	Color
RYB	87, 177, 46
Decimal	11637294
CIELab	61.74, 1.14, 54.41
CIELCh	62, 54.422, 88.802
Yxy	30.1021, 0.4387, 0.4569
Android (android.graphics.Color)	4289827374 (0xFFB1922E)
YUV	143.8690, -48.2494, 29.0559
Hunter-Lab	54.8654, -1.9793, 30.9799

Details

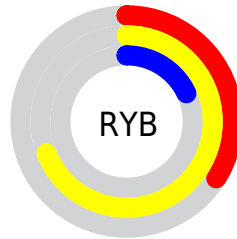
The XYZ color **28.9035, 30.1021, 6.8717** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **11.7164, 9.0628, 42.7265**, and the grayscale version is **26.6311, 28.0180, 30.5116**.

A 20% lighter version of the original color is **57.4985, 60.0423, 20.3632**, and **11.9286, 12.3588, 1.7568** is the 20% darker color. If you saturate the color by 10%, you get **27.9904, 28.7239, 5.1868**, and if you desaturate by 10%, it is **29.9855, 31.5881, 9.3231**.

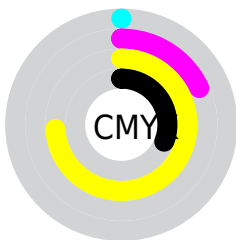
Distribution



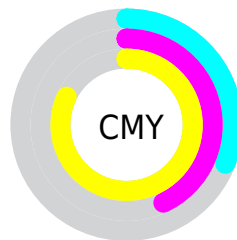
- Red (69%)
- Green (57%)
- Blue (18%)



- Red (34%)
- Yellow (69%)
- Blue (18%)



- Cyan (0%)
- Magenta (18%)
- Yellow (74%)
- Black (31%)



- Cyan (31%)
- Magenta (43%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.9035, 30.1021, 6.8717 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 28.9035, 30.1021, 6.8717 by changing the saturation by 10% instead.

■ 28.9035, 30.1021,
6.8717

■ 28.9035, 30.1021,
6.8717

288.7618,
302.3801, 176.1836

■ 19.1517, 19.9161,
3.3048

■ 57.3224, 59.8236,
20.2231

■ 11.8846, 12.3341,
1.2523

■ 76.7202, 80.1279,
30.8446

■ 6.7368, 6.9716,
0.0222

■ 100.0640,
104.5737, 44.6548

■ 3.3429, 3.4444,
0.0000

■ 127.7193,
133.5455, 62.0721

■ 1.3376, 1.3679,
0.0000

■ 160.0514,
167.4277, 83.5151

■ 0.2111, 0.1929,
0.0000

■ 197.4256,

■ 0.0000, 0.0000,

206.6045, 109.4023

0.0000

240.2073,
251.4605, 140.1523

■ 28.9035, 30.1021,
6.8717

■ 28.9035, 30.1021,
6.8717

■ 27.9904, 28.7239,
5.1868

■ 29.9855, 31.5881,
9.3231

■ 27.2248, 27.4409,
4.1664

■ 31.2503, 33.1843,
12.6223

■ 26.8121, 26.7084,
3.7421

■ 32.7125, 34.8981,
16.8422

■ 34.3847, 36.7348,
22.0474

■ 36.2782, 38.6995,
28.2965

■ 38.4035, 40.7967,
35.6436

■ 40.7704, 43.0306,
44.1392

■ 43.3880, 45.4053,
53.8303

■ 46.2650, 47.9245,
64.7617

Harmonies

Analogous

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



36.4565, 30.1021, 9.1136



28.9035, 30.1021, 6.8717



22.4068, 30.1021, 8.7627

Triad

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



28.9035, 30.1021, 6.8717



18.0516, 30.1021, 56.0187



42.2685, 30.1021, 58.1103

Complementary

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



28.9035, 30.1021, 6.8717



11.7164, 9.0628, 42.7265

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.



35.8666, 30.1021, 81.6837



28.9035, 30.1021, 6.8717



21.9807, 30.1021, 80.1594

Square

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



28.9035, 30.1021, 6.8717



16.8146, 30.1021, 31.9487



28.3208, 30.1021, 91.0857



44.9337, 30.1021, 33.6176

Rectangle

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



28.9035, 30.1021, 6.8717



19.3516, 30.1021, 12.8856



28.3208, 30.1021, 91.0857



40.4343, 30.1021, 66.7311

Sweetspot

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



28.9042, 30.1036, 6.8723



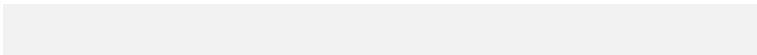
65.5664, 69.9070, 52.6908



20.5108, 11.8623, 8.5586



14.0037, 14.9424, 10.7227



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



28.9042, 30.1036, 6.8723



49.2097, 49.9291, 7.9773



27.7607, 37.5933, 8.3782



9.0233, 9.5590, 9.0220



19.4747, 19.4480, 2.7274



0.6542, 0.6948, 0.0996

Inverse Universe

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



11.7164, 9.0628, 42.7265



17.0402, 10.7358, 75.6694



12.1168, 6.7803, 42.2649



8.1998, 8.5458, 10.7237



6.3868, 3.5739, 30.4902



0.2464, 0.2033, 0.9745

Previews

White Background



This preview shows how the XYZ color 28.9035, 30.1021, 6.8717 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 28.9035, 30.1021, 6.8717 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 28.9035, 30.1021, 6.8717

Background



This preview shows how black text looks on a background with the XYZ color 28.9035, 30.1021, 6.8717.



This preview shows how white text looks on a background with the XYZ color 28.9035, 30.1021,

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

28.9035, 30.1021, 6.8717

Protanopia

27.3558, 30.2334, 7.0832

Deuteranopia

30.7000, 30.1242, 6.9928



Tritanopia

33.8378, 29.9053, 31.5926

Trichromacy



Original Color

28.9035, 30.1021, 6.8717

Protanomaly

28.0551, 30.3581, 7.0704

Deuteranomaly

29.8640, 29.9174, 6.8900

Tritanomaly

31.2486, 29.7057, 18.8386

Monochromacy



Original Color

28.9035, 30.1021, 6.8717

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

26.5425, 28.4014, 18.2704

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9035, 30.1021, 6.8717 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(177, 146, 46)` looks like.

```
.text, #text, p{  
    color:rgb(177, 146, 46)  
}
```

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(177, 146, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 146, 46) }
```

Border

The CSS property to change the border of an element to XYZ 28.9035, 30.1021, 6.8717 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(177, 146, 46) }
```


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

```
.border{ border-color:rgb(177, 146, 46) }
```

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

Here you see how a box with a 4 pixel rgb(177, 146, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 146, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 146, 46);  
box-shadow:4px 4px 4px 4px rgb(177, 146,  
46) }
```

Background

The CSS property to change the background color of an element to XYZ 28.9035, 30.1021, 6.8717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 146, 46) }
```

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

```
.background{ background-color: rgb(177,  
146, 46) }
```

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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