

Converting Colors

XYZ(33.4081, 28.2624, 5.7341)

Have a look what the booklet for
XYZ(33.4081, 28.2624, 5.7341)
contains.

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Color

**XYZ(33.2975, 28.1967,
5.6950)**

Conversions

Conversions Part 1

Format	Color
Hex	CE7E28
RGB	206, 126, 40
RGB Percent	81%, 49%, 16%
CMY	0.1922, 0.5059, 0.8431
CMYK	0.00, 0.39, 0.81, 0.19
HSL	31°, 67%, 48%
HSV	31°, 81%, 81%
XYZ	33.2975, 28.1967, 5.6950
YIQ	140.1160, 75.2860, -9.7860

Conversions

Conversions Part 2

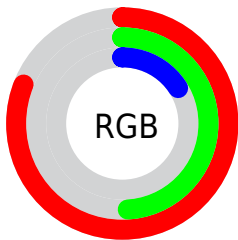
Format	Color
RYB	194, 206, 40
Decimal	13532712
CIELab	60.07, 24.60, 56.35
CIELCh	60, 61.490, 66.414
Yxy	28.1967, 0.4956, 0.4197
Android (android.graphics.Color)	4291722792 (0xFFCE7E28)
YUV	140.1160, -49.3572, 57.7803
Hunter-Lab	53.1006, 19.0051, 30.8116

Details

The XYZ color **33.2975, 28.1967, 5.6950** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark muted orange. A complement of this color would be **18.7318, 18.3395, 60.9449**, and the grayscale version is **25.1386, 26.4478, 28.8016**.

A 20% lighter version of the original color is **59.2919, 54.2729, 17.4759**, and **14.4385, 11.2799, 1.4162** is the 20% darker color. If you saturate the color by 10%, you get **31.8290, 25.6791, 3.9133**, and if you desaturate by 10%, it is **35.0798, 31.0438, 8.5021**.

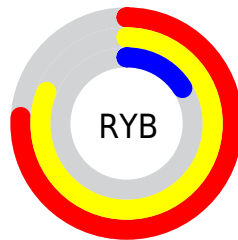
Distribution



Red (81%)

Green (49%)

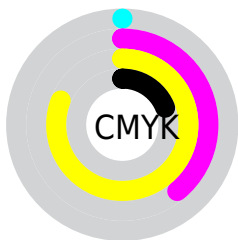
Blue (16%)



Red (76%)

Yellow (81%)

Blue (16%)

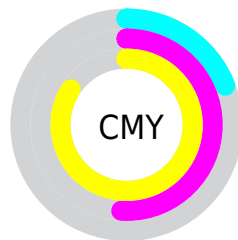


Cyan (0%)

Magenta (39%)

Yellow (81%)

Black (19%)



Cyan (19%)


Magenta (51%)


Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.2975, 28.1967, 5.6950 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 33.2975, 28.1967, 5.6950 by changing the saturation by 10% instead.


 33.2975, 28.1967,
5.6950


 33.2975, 28.1967,
5.6950


308.6295,
293.4056, 165.5278

 22.5148, 18.4740,
2.5948


 64.1913, 56.7983,
17.7611


 14.3544, 11.2908,
0.8897


 85.0331, 76.4460,
27.5640


 8.4509, 6.2628,
0.0000


 109.9586,
100.1709, 40.4382

 4.4390, 3.0055,
0.0000

 139.3332,
128.3572, 56.8023

 1.9534, 1.1346,
0.0000

 173.5222,
161.3895, 77.0747

 0.6076, 0.0073,
0.0000

 212.8910,

 0.0000, 0.0000,

199.6520, 101.6741

0.0000

257.8050,
243.5293, 131.0189

■ 33.2975, 28.1967,
5.6950

■ 33.2975, 28.1967,
5.6950

■ 31.8290, 25.6791,
3.9133

■ 35.0798, 31.0438,
8.5021

■ 30.6829, 23.5806,
2.9343

■ 37.2036, 34.2335,
12.4714

■ 39.6948, 37.7827,
17.7198

■ 42.5757, 41.7056,
24.3494

■ 45.8667, 46.0152,
32.4520

■ 49.5866, 50.7240,
42.1113

■ 53.7528, 55.8436,
53.4046

■ 58.3817, 61.3851,
66.4041

■ 63.4887, 67.3592,
81.1777

Harmonies

Analogous

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



40.8581, 28.1967, 11.5396



33.2975, 28.1967, 5.6950



25.1507, 28.1967, 4.6770

Triad

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



33.2975, 28.1967, 5.6950



14.4351, 28.1967, 35.7826



36.7844, 28.1967, 80.2151

Complementary

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



33.2975, 28.1967, 5.6950



18.7318, 18.3395, 60.9449

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.



28.5201, 28.1967, 96.7145



33.2975, 28.1967, 5.6950



16.4049, 28.1967, 64.1324

Square

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



33.2975, 28.1967, 5.6950



15.2203, 28.1967, 16.4613



21.2082, 28.1967, 89.7187



43.1302, 28.1967, 51.4246

Rectangle

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



33.2975, 28.1967, 5.6950



20.6365, 28.1967, 5.9930



21.2082, 28.1967, 89.7187



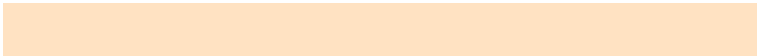
34.0830, 28.1967, 87.8903

Sweetspot

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



33.2981, 28.1982, 5.6955



78.0178, 79.2714, 62.1102



29.6168, 16.0013, 19.3716



16.2366, 16.3810, 12.0965



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.



33.2981, 28.1982, 5.6955



50.0582, 38.8294, 5.0761



47.1464, 57.0249, 10.5298



11.6850, 12.1590, 11.8105



18.9914, 14.7157, 1.8395



1.0555, 0.9107, 0.1202

Inverse Universe

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



18.7318, 18.3395, 60.9449



25.7155, 22.4088, 97.5777



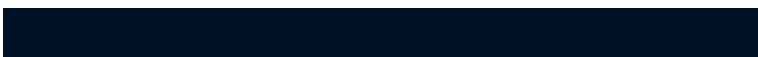
12.8860, 6.4826, 58.9644



11.0404, 11.7212, 14.2509



9.7195, 8.4630, 37.0775



0.5773, 0.5883, 1.9381

Previews

White Background



This preview shows how the XYZ color 33.2975, 28.1967, 5.6950 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 33.2975, 28.1967, 5.6950 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 × Fail

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

XYZ 33.2975, 28.1967, 5.6950

Background



This preview shows how black text looks on a background with the XYZ color 33.2975, 28.1967, 5.6950.



This preview shows how white text looks on a background with the XYZ color 33.2975, 28.1967,

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

33.2975, 28.1967, 5.6950

Protanopia

25.8568, 28.5338, 6.6274

Deuteranopia

28.9203, 28.3656, 5.5409



Tritanopia

36.8227, 28.1649, 23.2343

Trichromacy



Original Color

33.2975, 28.1967, 5.6950

Protanomaly

28.2591, 28.2234, 6.2437

Deuteranomaly

30.3449, 28.2601, 5.6057

Tritanomaly

35.1974, 28.0563, 14.3868

Monochromacy



Original Color

33.2975, 28.1967, 5.6950

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

26.4725, 26.2199, 16.7624

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2975, 28.1967, 5.6950 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(206, 126, 40)` looks like.

```
.text, #text, p{  
    color:rgb(206, 126, 40)  
}
```

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(206, 126, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 126, 40) }
```

Border

The CSS property to change the border of an element to XYZ 33.2975, 28.1967, 5.6950 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(206, 126, 40) }
```


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

```
.border{ border-color:rgb(206, 126, 40) }
```

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

Here you see how a box with a 4 pixel rgb(206, 126, 40) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 126, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 126, 40);  
box-shadow:4px 4px 4px 4px rgb(206, 126,  
40) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2975, 28.1967, 5.6950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 126, 40) }
```

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

```
.background{ background-color: rgb(206,  
126, 40) }
```

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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