

Converting Colors

XYZ(33.4496, 27.8236, 3.6075)

Have a look what the booklet for
XYZ(33.4496, 27.8236, 3.6075)
contains.

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Color

**XYZ(33.3775, 27.7212,
3.5915)**

Conversions

Conversions Part 1

Format	Color
Hex	D17B00
RGB	209, 123, 0
RGB Percent	82%, 48%, 0%
CMY	0.1804, 0.5176, 1.0000
CMYK	0.00, 0.41, 1.00, 0.18
HSL	35°, 100%, 41%
HSV	35°, 100%, 82%
XYZ	33.3775, 27.7212, 3.5915
YIQ	134.6920, 90.7390, -20.0210

Conversions

Conversions Part 2

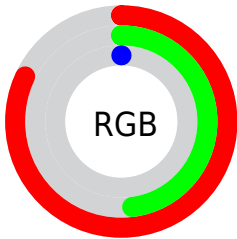
Format	Color
R _Y B	146, 209, 0
Decimal	13728512
CIE Lab	59.64, 26.74, 66.27
CIE LCh	60, 71.457, 68.025
Yxy	27.7212, 0.5160, 0.4285
Android (android.graphics.Color)	4291918592 (0xFFD17B00)
YUV	134.6920, -66.4032, 65.1681
Hunter-Lab	52.6509, 21.0191, 32.8113

Details

The XYZ color **33.3775, 27.7212, 3.5915** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **14.8365, 11.2592, 61.7126**, and the grayscale version is **23.1306, 24.3352, 26.5011**.

A 20% lighter version of the original color is **57.8395, 52.7403, 12.7617**, and **14.5953, 11.0610, 1.3657** is the 20% darker color. If you saturate the color by 10%, you get **33.3777, 27.7219, 3.5917**, and if you desaturate by 10%, it is **34.6268, 30.0048, 4.6714**.

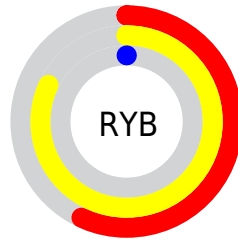
Distribution



Red (82%)

Green (48%)

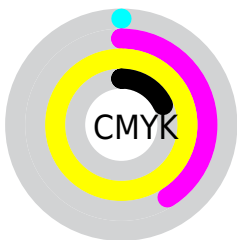
Blue (0%)



Red (57%)

Yellow (82%)

Blue (0%)

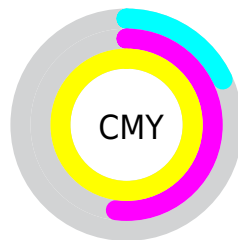


Cyan (0%)

Magenta (41%)

Yellow (100%)

Black (18%)



Cyan (18%)


Magenta (52%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.3775, 27.7212, 3.5915 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 33.3775, 27.7212, 3.5915 by changing the saturation by 10% instead.


 33.3775, 27.7212,
3.5915


 33.3775, 27.7212,
3.5915


308.9823,
291.1323, 143.5705


 22.5764, 18.1156,
1.4040


 64.3152, 56.0390,
13.0561

 14.4000, 11.0330,
0.1449


 85.1825, 75.5200,
21.1703


 8.4830, 6.0890,
0.0000


 110.1359, 99.0616,
32.0972

 4.4599, 2.8993,
0.0000

 139.5409,
127.0482, 46.2553

 1.9655, 1.0794,
0.0000

 173.7626,
159.8642, 64.0631


 0.6145, 0.0000,
0.0000


 213.1665,


 0.0000, 0.0000,

197.8939, 85.9393


0.0000


 258.1180,
241.5218, 112.3022


 33.3775, 27.7212,
3.5915


 33.3775, 27.7212,
3.5915


 33.3777, 27.7219,
3.5917

 34.6268, 30.0048,
4.6714

 36.1170, 32.5373,
6.5492

 37.9000, 35.3441,
9.4844

 40.0048, 38.4403,
13.6183

 42.4559, 41.8390,
19.0702

■ 45.2751, 45.5523,
25.9448

■ 48.4821, 49.5911,
34.3362

■ 52.0950, 53.9658,
44.3303

■ 56.1307, 58.6861,
56.0065

Harmonies

Analogous

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



42.4880, 27.7212, 8.7748



33.3775, 27.7212, 3.5915



24.0027, 27.7212, 2.8886

Triad

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



33.3775, 27.7212, 3.5915



12.6466, 27.7212, 37.6543



38.5265, 27.7212, 88.5688

Complementary

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



33.3775, 27.7212, 3.5915



14.8365, 11.2592, 61.7126

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.



28.8417, 27.7212, 110.7962



33.3775, 27.7212, 3.5915



14.9212, 27.7212, 72.2269

Square

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



33.3775, 27.7212, 3.5915



13.3261, 27.7212, 15.1635



20.3823, 27.7212, 103.5390



45.9016, 27.7212, 52.8180

Rectangle

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



33.3775, 27.7212, 3.5915



19.0173, 27.7212, 4.1540



20.3823, 27.7212, 103.5390



35.3557, 27.7212, 98.5858

Sweetspot

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



33.3781, 27.7227, 3.5920



75.8538, 77.5496, 53.3538



28.0183, 14.2449, 10.3084



15.7624, 16.0087, 10.1623



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.



33.3781, 27.7227, 3.5920



52.1585, 43.0969, 5.5695



44.4333, 56.7529, 8.6127



12.3786, 12.9480, 12.4588



20.6790, 17.2910, 2.2476



1.2334, 1.1211, 0.1514

Inverse Universe

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



14.8365, 11.2592, 61.7126



23.0939, 17.3077, 96.7313



11.7475, 4.7267, 60.6145



11.5575, 12.2052, 14.9904



9.2394, 7.1254, 38.0809



0.5939, 0.5531, 2.1550

Previews

White Background



This preview shows how the XYZ color 33.3775, 27.7212, 3.5915 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 33.3775, 27.7212, 3.5915 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 33.3775, 27.7212, 3.5915

Background



This preview shows how black text looks on a background with the XYZ color 33.3775, 27.7212, 3.5915.



This preview shows how white text looks on a background with the XYZ color 33.3775, 27.7212,

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

33.3775, 27.7212, 3.5915

Protanopia

25.3232, 28.0747, 4.5745

Deuteranopia

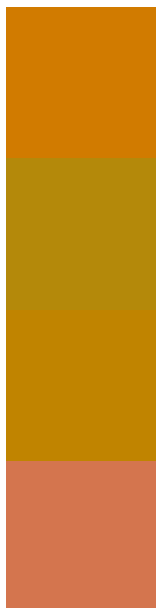
28.2371, 27.8364, 3.8847



Tritanopia

37.0330, 27.6108, 22.1165

Trichromacy



Original Color

33.3775, 27.7212, 3.5915

Protanomaly

27.8228, 27.6165, 4.1513

Deuteranomaly

29.9895, 27.7090, 3.7678

Tritanomaly

34.8878, 27.2697, 10.6325

Monochromacy



Original Color

33.3775, 27.7212, 3.5915

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

24.6963, 24.5859, 12.2480

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3775, 27.7212, 3.5915 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(209, 123, 0)` looks like.

```
.text, #text, p{  
    color:rgb(209, 123, 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(209, 123, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 123, 0) }
```

Border

The CSS property to change the border of an element to XYZ 33.3775, 27.7212, 3.5915 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(209, 123, 0) }
```


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

```
.border{ border-color:rgb(209, 123, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 123, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 123, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 123, 0);  
box-shadow:4px 4px 4px 4px rgb(209, 123,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3775, 27.7212, 3.5915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 123, 0) }
```

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

```
.background{ background-color: rgb(209,  
123, 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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