

Converting Colors

XYZ(32.9592, 28.9520, 3.8512)

Have a look what the booklet for
XYZ(32.9592, 28.9520, 3.8512)
contains.

XYZ(33.0181, 29.0700, 3.8708)	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(33.0181, 29.0700,
3.8708)**

Conversions

Conversions Part 1

Format	Color
Hex	CC8300
RGB	204, 131, 0
RGB Percent	80%, 51%, 0%
CMY	0.2000, 0.4863, 1.0000
CMYK	0.00, 0.36, 1.00, 0.20
HSL	39°, 100%, 40%
HSV	39°, 100%, 80%
XYZ	33.0181, 29.0700, 3.8708
YIQ	137.8930, 85.5590, -25.2650

Conversions

Conversions Part 2

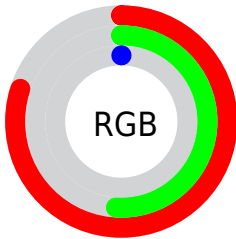
Format	Color
R_{YB}	114, 204, 0
Decimal	13402880
CIE _{Lab}	60.84, 20.26, 66.73
CIE _{LCh}	61, 69.736, 73.107
Yxy	29.0700, 0.5006, 0.4407
Android (android.graphics.Color)	4291592960 (0xFFCC8300)
YUV	137.8930, -67.9812, 57.9758
Hunter-Lab	53.9166, 14.9579, 33.4851

Details

The XYZ color **33.0181, 29.0700, 3.8708** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **13.2817, 9.1249, 58.1874**, and the grayscale version is **24.3461, 25.6140, 27.8936**.

A 20% lighter version of the original color is **59.4860, 55.9832, 13.4649**, and **14.4440, 11.8142, 1.5191** is the 20% darker color. If you saturate the color by 10%, you get **33.0183, 29.0707, 3.8709**, and if you desaturate by 10%, it is **34.1639, 31.1540, 4.8937**.

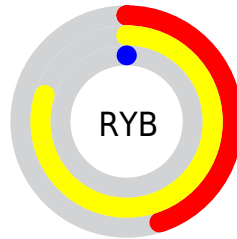
Distribution



Red (80%)

Green (51%)

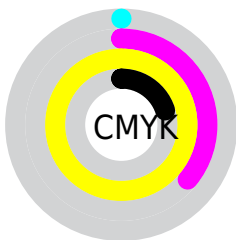
Blue (0%)



Red (45%)

Yellow (80%)

Blue (0%)

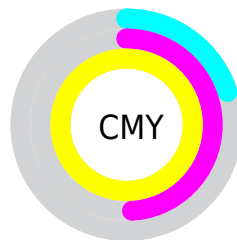


Cyan (0%)

Magenta (36%)

Yellow (100%)

Black (20%)



Cyan (20%)

Magenta (49%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.0181, 29.0700, 3.8708 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 33.0181, 29.0700, 3.8708 by changing the saturation by 10% instead.

■ 33.0181, 29.0700,
3.8708

■ 33.0181, 29.0700,
3.8708

307.3948,
297.5451, 146.7783

■ 22.2996, 19.1338,
1.5547

■ 63.7583, 58.1883,
13.7107

■ 14.1951, 11.7670,
0.2582

■ 84.5107, 78.1391,
22.0716

■ 8.3391, 6.5852,
0.0000

■ 109.3384,
102.1970, 33.2845

■ 4.3663, 3.2041,
0.0000

■ 138.6069,
130.7462, 47.7680

■ 1.9114, 1.2392,
0.0000

■ 172.6814,
164.1713, 65.9405


■ 0.5834, 0.0934,
0.0000


■ 211.9273,


■ 0.0000, 0.0000,


202.8565, 88.2208


0.0000


 256.7100,
247.1863, 115.0272


 33.0181, 29.0700,
3.8708


 33.0181, 29.0700,
3.8708


 33.0183, 29.0707,
3.8709

 34.1639, 31.1540,
4.8937

 35.5166, 33.4323,
6.6615

 37.1252, 35.9278,
9.4224

 39.0160, 38.6531,
13.3091

 41.2115, 41.6192,
18.4337

■ 43.7316, 44.8361,
24.8945

■ 46.5941, 48.3128,
32.7799

■ 49.8155, 52.0578,
42.1707

■ 53.4110, 56.0790,
53.1414

Harmonies

Analogous

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



42.4303, 29.0700, 8.3096



33.0181, 29.0700, 3.8708



23.8586, 29.0700, 3.6640

Triad

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



33.0181, 29.0700, 3.8708



13.8801, 29.0700, 44.3927



41.3541, 29.0700, 83.9609

Complementary

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



33.0181, 29.0700, 3.8708



13.2817, 9.1249, 58.1874

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.



31.7796, 29.0700, 109.5498



33.0181, 29.0700, 3.8708



16.7470, 29.0700, 79.5649

Square

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



33.0181, 29.0700, 3.8708



14.0696, 29.0700, 19.2366



22.8628, 29.0700, 107.6056



47.9188, 29.0700, 48.5110

Rectangle

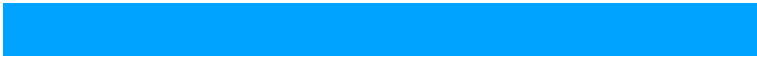
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



33.0181, 29.0700, 3.8708



19.1521, 29.0700, 5.5319



22.8628, 29.0700, 107.6056



38.3005, 29.0700, 94.6908

Sweetspot

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



33.0187, 29.0715, 3.8713



76.9669, 79.7759, 53.7249



26.1650, 13.3428, 7.8181



16.0276, 16.5391, 10.2507



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.



33.0187, 29.0715, 3.8713



54.4716, 47.7232, 6.3405



39.6787, 52.5090, 8.0442



11.8030, 12.3950, 11.8498



20.8731, 18.4791, 2.4667



1.1469, 1.0936, 0.1506

Inverse Universe

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



13.2817, 9.1249, 58.1874



21.8121, 14.7442, 96.3040



11.3566, 4.5956, 57.4146



10.9248, 11.4900, 14.2124



8.4399, 5.9038, 36.6510



0.5068, 0.4473, 1.9146

Previews

White Background



This preview shows how the XYZ color 33.0181, 29.0700, 3.8708 looks on a white background.

Color Contrast Check

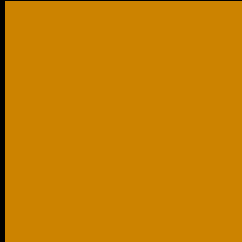
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.0181, 29.0700, 3.8708 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 33.0181, 29.0700, 3.8708

Background



This preview shows how black text looks on a background with the XYZ color 33.0181, 29.0700, 3.8708.



This preview shows how white text looks on a background with the XYZ color 33.0181, 29.0700,

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

33.0181, 29.0700, 3.8708

Protanopia

26.3951, 29.3185, 4.6833

Deuteranopia

29.6278, 29.1953, 4.0737



Tritanopia

37.3508, 29.1131, 25.1235

Trichromacy



Original Color

33.0181, 29.0700, 3.8708

Protanomaly

28.5447, 29.0690, 4.3649

Deuteranomaly

30.9380, 29.2288, 4.0111

Tritanomaly

34.6271, 28.5572, 11.8707

Monochromacy



Original Color

33.0181, 29.0700, 3.8708

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

25.3257, 25.7139, 12.8610

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0181, 29.0700, 3.8708 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(204, 131, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 131, 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(204, 131, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 131, 0) }
```

Border

The CSS property to change the border of an element to XYZ 33.0181, 29.0700, 3.8708 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(204, 131, 0) }
```


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

```
.border{ border-color:rgb(204, 131, 0) }
```

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

Here you see how a box with a 4 pixel rgb(204, 131, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 131, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 131, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 131,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0181, 29.0700, 3.8708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 131, 0) }
```

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

```
.background{ background-color: rgb(204,  
131, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor