

Converting Colors

XYZ(32.6504, 28.1316, 1.3742)

Have a look what the booklet for
XYZ(32.6504, 28.1316, 1.3742)
contains.

XYZ(33.0430, 28.3006, 3.7210)	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(33.0430, 28.3006,
3.7210)**

Conversions

Conversions Part 1

Format	Color
Hex	CE7F00
RGB	206, 127, 0
RGB Percent	81%, 50%, 0%
CMY	0.1922, 0.5019, 1.0000
CMYK	0.00, 0.38, 1.00, 0.19
HSL	37°, 100%, 40%
HSV	37°, 100%, 81%
XYZ	33.0430, 28.3006, 3.7210
YIQ	136.1430, 87.8510, -22.7490

Conversions

Conversions Part 2

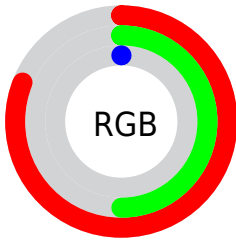
Format	Color
R_{YB}	128, 206, 0
Decimal	13532928
CIE _{Lab}	60.16, 23.30, 66.41
CIE _{LCh}	60, 70.376, 70.665
Yxy	28.3006, 0.5078, 0.4350
Android (android.graphics.Color)	4291723008 (0xFFCE7F00)
YUV	136.1430, -67.1185, 61.2646
Hunter-Lab	53.1983, 17.7744, 33.0917

Details

The XYZ color **33.0430, 28.3006, 3.7210** 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 **13.9367, 10.0485, 59.5971**, and the grayscale version is **23.6773, 24.9104, 27.1274**.

A 20% lighter version of the original color is **58.6667, 54.3447, 13.1919**, and **14.4014, 11.4685, 1.4546** is the 20% darker color. If you saturate the color by 10%, you get **33.0431, 28.3012, 3.7211**, and if you desaturate by 10%, it is **34.2360, 30.4761, 4.7686**.

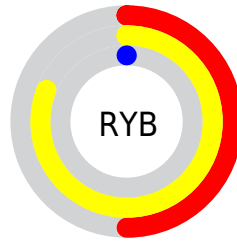
Distribution



Red (81%)

Green (50%)

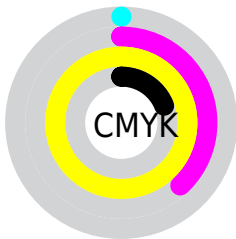
Blue (0%)



Red (50%)

Yellow (81%)

Blue (0%)

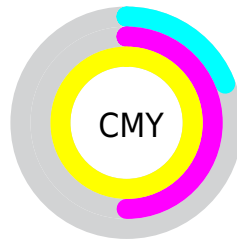


Cyan (0%)

Magenta (38%)

Yellow (100%)

Black (19%)



Cyan (19%)


Magenta (50%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.0430, 28.3006, 3.7210 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 33.0430, 28.3006, 3.7210 by changing the saturation by 10% instead.


 33.0430, 28.3006,
3.7210


 33.0430, 28.3006,
3.7210


307.5050,
293.9005, 145.0719


 22.3188, 18.5524,
1.4736


 63.7969, 56.9640,
13.3610

 14.2092, 11.3473,
0.1981


 84.5573, 76.6480,
21.5907


 8.3490, 6.3009,
0.0000


 109.3937,
100.4127, 32.6515

 4.3728, 3.0289,
0.0000

 138.6717,
128.6425, 46.9620

 1.9151, 1.1469,
0.0000

 172.7564,
161.7217, 64.9408

 0.5856, 0.0176,
0.0000


 212.0133,


 0.0000, 0.0000,


200.0349, 87.0063


0.0000


 256.8077,
243.9664, 113.5772


 33.0430, 28.3006,
3.7210


 33.0430, 28.3006,
3.7210


 33.0431, 28.3012,
3.7211

 34.2360, 30.4761,
4.7686

 35.6506, 32.8698,
6.5825

 37.3369, 35.5058,
9.4154

 39.3223, 38.3977,
13.4034

 41.6301, 41.5574,
18.6614

■ 44.2810, 44.9955,
25.2904

■ 47.2936, 48.7222,
33.3808

■ 50.6850, 52.7464,
43.0156

■ 54.4712, 57.0771,
54.2713

Harmonies

Analogous

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



42.2711, 28.3006, 8.4920



33.0430, 28.3006, 3.7210



23.8227, 28.3006, 3.2672

Triad

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



33.0430, 28.3006, 3.7210



13.2280, 28.3006, 40.9230



39.8202, 28.3006, 85.7459

Complementary

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



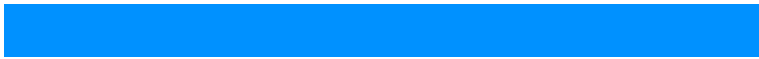
33.0430, 28.3006, 3.7210



13.9367, 10.0485, 59.5971

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.



30.2291, 28.3006, 109.6516



33.0430, 28.3006, 3.7210



15.7945, 28.3006, 75.6882

Square

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



33.0430, 28.3006, 3.7210



13.6543, 28.3006, 17.1490



21.5679, 28.3006, 105.1946



46.7479, 28.3006, 50.3021

Rectangle

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



33.0430, 28.3006, 3.7210



19.0052, 28.3006, 4.8250



21.5679, 28.3006, 105.1946



36.7219, 28.3006, 96.0984

Sweetspot

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



33.0436, 28.3021, 3.7215



76.4312, 78.7045, 53.5463



26.9919, 13.7373, 9.2926



15.8998, 16.2836, 10.2081



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.



33.0436, 28.3021, 3.7215



53.3330, 45.4460, 5.9610



42.1755, 54.5064, 8.2982



11.7785, 12.3459, 11.8416



20.4434, 17.6198, 2.3235



1.1267, 1.0530, 0.1439

Inverse Universe

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



13.9367, 10.0485, 59.5971



22.3978, 15.9156, 96.4993



11.4416, 4.6116, 58.6791



10.9485, 11.5375, 14.2203



8.6688, 6.3616, 36.7273



0.5201, 0.4739, 1.9190

Previews

White Background



This preview shows how the XYZ color 33.0430, 28.3006, 3.7210 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 33.0430, 28.3006, 3.7210 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 33.0430, 28.3006, 3.7210

Background



This preview shows how black text looks on a background with the XYZ color 33.0430, 28.3006, 3.7210.



This preview shows how white text looks on a background with the XYZ color 33.0430, 28.3006,

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

33.0430, 28.3006, 3.7210

Protanopia

25.6750, 28.4848, 4.5968

Deuteranopia

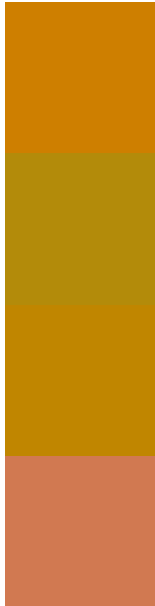
28.8556, 28.3673, 3.9546



Tritanopia

37.1732, 28.3381, 23.5892

Trichromacy



Original Color

33.0430, 28.3006, 3.7210

Protanomaly

27.8778, 28.0709, 4.2361

Deuteranomaly

30.2633, 28.2567, 3.8590

Tritanomaly

34.6171, 27.8241, 11.3307

Monochromacy



Original Color

33.0430, 28.3006, 3.7210

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

24.8058, 25.0402, 12.5427

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0430, 28.3006, 3.7210 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, 127, 0)` looks like.

```
.text, #text, p{  
    color:rgb(206, 127, 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(206, 127, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 127, 0) }
```

Border

The CSS property to change the border of an element to XYZ 33.0430, 28.3006, 3.7210 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, 127, 0) }
```


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

```
.border{ border-color:rgb(206, 127, 0) }
```

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

Here you see how a box with a 4 pixel rgb(206, 127, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 127, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 127, 0);  
box-shadow:4px 4px 4px 4px rgb(206, 127,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0430, 28.3006, 3.7210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 127, 0) }
```

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

```
.background{ background-color: rgb(206,  
127, 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