

Converting Colors

XYZ(30.4747, 26.1685, 2.2150)

Have a look what the booklet for
XYZ(30.4747, 26.1685, 2.2150)
contains.

XYZ(30.6361, 26.3080, 3.4633)	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(30.6361, 26.3080,
3.4633)**

Conversions

Conversions Part 1

Format	Color
Hex	C77B00
RGB	199, 123, 0
RGB Percent	78%, 48%, 0%
CMY	0.2196, 0.5176, 1.0000
CMYK	0.00, 0.38, 1.00, 0.22
HSL	37°, 100%, 39%
HSV	37°, 100%, 78%
XYZ	30.6361, 26.3080, 3.4633
YIQ	131.7020, 84.7790, -22.1410

Conversions

Conversions Part 2

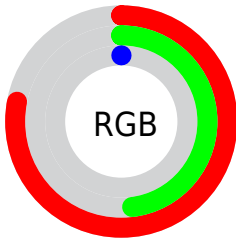
Format	Color
R_{YB}	123, 199, 0
Decimal	13073152
CIE _{Lab}	58.33, 22.44, 64.78
CIE _{LCh}	58, 68.560, 70.894
Yxy	26.3080, 0.5072, 0.4355
Android (android.graphics.Color)	4291263232 (0xFFC77B00)
YUV	131.7020, -64.9291, 59.0203
Hunter-Lab	51.2913, 16.8575, 31.9005

Details

The XYZ color **30.6361, 26.3080, 3.4633** 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 **12.8935, 9.2929, 55.1464**, and the grayscale version is **22.0308, 23.1782, 25.2410**.

A 20% lighter version of the original color is **57.8087, 52.7280, 12.5995**, and **13.0962, 10.3865, 1.3146** is the 20% darker color. If you saturate the color by 10%, you get **30.6361, 26.3084, 3.4633**, and if you desaturate by 10%, it is **31.7418, 28.3190, 4.4508**.

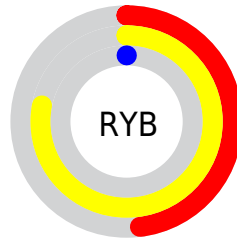
Distribution



Red (78%)

Green (48%)

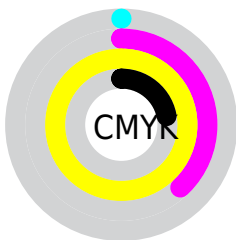
Blue (0%)



Red (48%)

Yellow (78%)

Blue (0%)

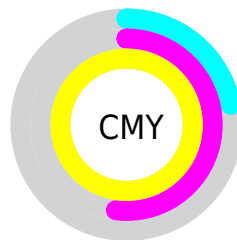


Cyan (0%)

Magenta (38%)

Yellow (100%)

Black (22%)



Cyan (22%)


Magenta (52%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.6361, 26.3080, 3.4633 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 30.6361, 26.3080, 3.4633 by changing the saturation by 10% instead.


 30.6361, 26.3080,
3.4633


 30.6361, 26.3080,
3.4633


296.7152,
284.2908, 142.0588


 20.4724, 17.0542,
1.3358


 60.0464, 53.7714,
12.7517

 12.8491, 10.2731,
0.0909


 80.0238, 72.7498,
20.7497

 7.4010, 5.5804,
0.0000


 104.0030, 95.7385,
31.5417

 3.7627, 2.5917,
0.0000

 132.3495,
123.1220, 45.5460

 1.5688, 0.9225,
0.0000

 165.4286,
155.2845, 63.1814


 0.3719, 0.0000,
0.0000


 203.6057,


 0.0000, 0.0000,


192.6106, 84.8663


0.0000


 247.2461,
235.4845, 111.0193


 30.6361, 26.3080,
3.4633

 30.6361, 26.3080,
3.4633


 30.6361, 26.3084,
3.4633

 31.7418, 28.3190,
4.4508

 33.0507, 30.5298,
6.1415

 34.6097, 32.9629,
8.7732

 36.4441, 35.6306,
12.4706

 38.5752, 38.5439,
17.3391

■ 41.0218, 41.7126,
23.4713

■ 43.8011, 45.1458,
30.9503

■ 46.9288, 48.8519,
39.8522

■ 50.4195, 52.8388,
50.2473

Harmonies

Analogous

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



39.2087, 26.3080, 7.8580



30.6361, 26.3080, 3.4633



22.0922, 26.3080, 3.0631

Triad

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



30.6361, 26.3080, 3.4633



12.3218, 26.3080, 38.2416



37.0552, 26.3080, 79.3476

Complementary

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



30.6361, 26.3080, 3.4633



12.8935, 9.2929, 55.1464

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.



28.1631, 26.3080, 101.6619



30.6361, 26.3080, 3.4633



14.7273, 26.3080, 70.5144

Square

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



30.6361, 26.3080, 3.4633



12.6968, 26.3080, 16.0779



20.1099, 26.3080, 97.7482



43.4476, 26.3080, 46.4824

Rectangle

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



30.6361, 26.3080, 3.4633



17.6351, 26.3080, 4.5334



20.1099, 26.3080, 97.7482



34.1861, 26.3080, 88.9801

Sweetspot

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



30.6367, 26.3094, 3.4638



76.4641, 78.7703, 53.5573



24.8676, 12.6680, 8.0248



15.9077, 16.2992, 10.2107



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.



30.6367, 26.3094, 3.4638



53.4015, 45.5830, 5.9838



38.2789, 50.0514, 7.6437



11.1705, 11.7102, 11.2343



19.7867, 17.0907, 2.2560



1.0053, 0.9460, 0.1296

Inverse Universe

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



12.8935, 9.2929, 55.1464



22.3602, 15.8405, 96.4867



10.6673, 4.3085, 54.3017



10.3832, 10.9404, 13.4819



8.3692, 6.1323, 35.4869



0.4660, 0.4299, 1.7036

Previews

White Background



This preview shows how the XYZ color 30.6361, 26.3080, 3.4633 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 30.6361, 26.3080, 3.4633 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 30.6361, 26.3080, 3.4633

Background



This preview shows how black text looks on a background with the XYZ color 30.6361, 26.3080, 3.4633.



This preview shows how white text looks on a background with the XYZ color 30.6361, 26.3080,

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

30.6361, 26.3080, 3.4633

Protanopia

23.9092, 26.4552, 4.2981

Deuteranopia

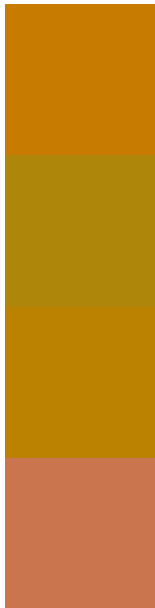
26.8852, 26.5152, 3.7009



Tritanopia

34.4943, 26.3021, 21.9976

Trichromacy



Original Color

30.6361, 26.3080, 3.4633

Protanomaly

26.0354, 26.0708, 3.9471

Deuteranomaly

28.2323, 26.4044, 3.6085

Tritanomaly

32.0936, 25.8292, 10.5017

Monochromacy



Original Color

30.6361, 26.3080, 3.4633

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

23.1608, 23.4085, 11.6851

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.6361, 26.3080, 3.4633 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(199, 123, 0)` looks like.

```
.text, #text, p{  
    color:rgb(199, 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(199, 123, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 123, 0) }
```

Border

The CSS property to change the border of an element to XYZ 30.6361, 26.3080, 3.4633 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(199, 123, 0) }
```


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

```
.border{ border-color:rgb(199, 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(199, 123, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 123, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 123, 0);  
box-shadow:4px 4px 4px 4px rgb(199, 123,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 30.6361, 26.3080, 3.4633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 123, 0) }
```

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

```
.background{ background-color: rgb(199,  
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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