

Converting Colors

XYZ(30.1516, 23.3369, 2.9153)

Have a look what the booklet for
XYZ(30.1516, 23.3369, 2.9153)
contains.

XYZ(30.1595, 23.3528, 2.9180)	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(30.1595, 23.3528,
2.9180)**

Conversions

Conversions Part 1

Format	Color
Hex	CC6B00
RGB	204, 107, 0
RGB Percent	80%, 42%, 0%
CMY	0.2000, 0.5804, 1.0000
CMYK	0.00, 0.48, 1.00, 0.20
HSL	31°, 100%, 40%
HSV	31°, 100%, 80%
XYZ	30.1595, 23.3528, 2.9180
YIQ	123.8050, 92.1590, -12.7130

Conversions

Conversions Part 2

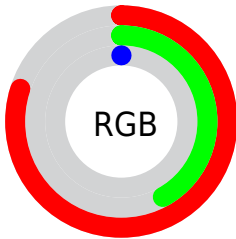
Format	Color
RYB	185, 204, 0
Decimal	13396736
CIELab	55.43, 33.13, 63.31
CIELCh	55, 71.455, 62.377
Yxy	23.3528, 0.5345, 0.4138
Android (android.graphics.Color)	4291586816 (0xFFCC6B00)
YUV	123.8050, -61.0359, 70.3310
Hunter-Lab	48.3247, 26.8337, 30.2472

Details

The XYZ color **30.1595, 23.3528, 2.9180** 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 **15.1737, 12.9090, 58.8180**, and the grayscale version is **19.2696, 20.2731, 22.0774**.

A 20% lighter version of the original color is **54.6215, 46.4496, 11.2411**, and **12.7908, 8.7659, 1.0178** is the 20% darker color. If you saturate the color by 10%, you get **30.1596, 23.3533, 2.9180**, and if you desaturate by 10%, it is **31.3586, 25.5435, 3.9586**.

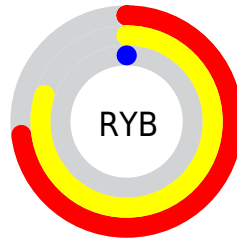
Distribution



Red (80%)

Green (42%)

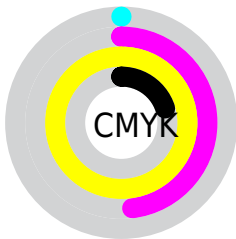
Blue (0%)



Red (73%)

Yellow (80%)

Blue (0%)

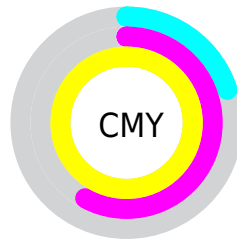


Cyan (0%)

Magenta (48%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (58%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.1595, 23.3528, 2.9180 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 30.1595, 23.3528, 2.9180 by changing the saturation by 10% instead.

 30.1595, 23.3528,
2.9180


 30.1595, 23.3528,
2.9180


294.5437,
269.5319, 135.3093


 20.1084, 14.8542,
1.0529


 59.2992, 48.9720,
11.4254


 12.5826, 8.7171,
0.0000


 79.1185, 66.8614,
18.9048


 7.2167, 4.5571,
0.0000


 102.9246, 88.6498,
29.0928

 3.6455, 1.9899,
0.0000

 131.0827,
114.7218, 42.4078

 1.5036, 0.6016,
0.0000

 163.9584,
145.4615, 59.2684


 0.3283, 0.0000,
0.0000


 201.9169,


 0.0000, 0.0000,


181.2535, 80.0932


0.0000


 245.3235,
222.4822, 105.3006


 30.1595, 23.3528,
2.9180

 30.1595, 23.3528,
2.9180


 30.1596, 23.3533,
2.9180

 31.3586, 25.5435,
3.9586

 32.8113, 28.0217,
5.7597

 34.5685, 30.8145,
8.5701

 36.6585, 33.9382,
12.5232

 39.1057, 37.4077,
17.7316

■ 41.9317, 41.2365,
24.2943

■ 45.1562, 45.4371,
32.3003

■ 48.7971, 50.0213,
41.8309

■ 52.8714, 55.0001,
52.9611

Harmonies

Analogous

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



37.9719, 23.3528, 8.3284



30.1595, 23.3528, 2.9180



21.5613, 23.3528, 1.8882

Triad

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



30.1595, 23.3528, 2.9180



10.0596, 23.3528, 27.3075



31.5421, 23.3528, 84.1086

Complementary

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



30.1595, 23.3528, 2.9180



15.1737, 12.9090, 58.8180

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.



22.8433, 23.3528, 100.2309



30.1595, 23.3528, 2.9180



11.5361, 23.3528, 57.2516

Square

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



30.1595, 23.3528, 2.9180



11.1267, 23.3528, 9.9325



15.7746, 23.3528, 88.2503



38.8962, 23.3528, 51.9612

Rectangle

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



30.1595, 23.3528, 2.9180



16.8175, 23.3528, 2.5322



15.7746, 23.3528, 88.2503



28.6143, 23.3528, 92.2325

Sweetspot

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



30.1600, 23.3541, 2.9184



74.5603, 74.9628, 52.9227



27.1349, 13.7307, 12.9254



15.4556, 15.3950, 10.0600



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.



30.1600, 23.3541, 2.9184



49.7312, 38.2424, 4.7604



45.5724, 55.5473, 8.3200



11.6911, 12.1712, 11.8125



19.0769, 14.8868, 1.8680



1.0599, 0.9194, 0.1216

Inverse Universe

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



15.1737, 12.9090, 58.8180



24.9172, 20.9545, 97.3391



10.9417, 4.3817, 57.3952



11.0344, 11.7091, 14.2489



9.6423, 8.3085, 37.0518



0.5732, 0.5803, 1.9367

Previews

White Background



This preview shows how the XYZ color 30.1595, 23.3528, 2.9180 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 30.1595, 23.3528, 2.9180 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 30.1595, 23.3528, 2.9180

Background



This preview shows how black text looks on a background with the XYZ color 30.1595, 23.3528, 2.9180.



This preview shows how white text looks on a background with the XYZ color 30.1595, 23.3528,

2.9180.

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

30.1595, 23.3528, 2.9180

Protanopia

21.2040, 23.5747, 3.9631

Deuteranopia

23.7378, 23.5036, 3.2855



Tritanopia

32.8908, 23.4203, 16.4227

Trichromacy



Original Color

30.1595, 23.3528, 2.9180

Protanomaly

23.8456, 22.9855, 3.4965

Deuteranomaly

25.7725, 23.2567, 3.1306

Tritanomaly

31.3170, 23.2276, 8.1430

Monochromacy



Original Color

30.1595, 23.3528, 2.9180

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

21.0266, 20.2937, 10.2060

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.1595, 23.3528, 2.9180 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, 107, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 107, 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, 107, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 107, 0) }
```

Border

The CSS property to change the border of an element to XYZ 30.1595, 23.3528, 2.9180 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, 107, 0) }
```


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

```
.border{ border-color:rgb(204, 107, 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, 107, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 107, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 107, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 107,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 30.1595, 23.3528, 2.9180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 107, 0) }
```

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

```
.background{ background-color: rgb(204,  
107, 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