

Converting Colors

XYZ(30.1382, 23.7888, 3.0379)

Have a look what the booklet for
XYZ(30.1382, 23.7888, 3.0379)
contains.

XYZ(30.2100, 23.8506, 3.0401)	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(30.2100, 23.8506,
3.0401)**

Conversions

Conversions Part 1

Format	Color
Hex	CB6E01
RGB	203, 110, 1
RGB Percent	80%, 43%, 0%
CMY	0.2039, 0.5686, 0.9961
CMYK	0.00, 0.46, 1.00, 0.20
HSL	32°, 99%, 40%
HSV	32°, 100%, 80%
XYZ	30.2100, 23.8506, 3.0401
YIQ	125.3810, 90.4170, -14.1830

Conversions

Conversions Part 2

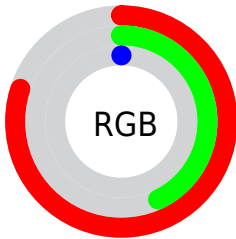
Format	Color
RYB	173, 203, 1
Decimal	13331969
CIELab	55.94, 31.15, 63.36
CIELCh	56, 70.599, 63.820
Yxy	23.8506, 0.5291, 0.4177
Android (android.graphics.Color)	4291522049 (0xFFCB6E01)
YUV	125.3810, -61.3198, 68.0719
Hunter-Lab	48.8371, 24.9530, 30.4952

Details

The XYZ color **30.2100, 23.8506, 3.0401** 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 **14.7946, 12.3235, 58.0983**, and the grayscale version is **19.8019, 20.8331, 22.6872**.

A 20% lighter version of the original color is **55.1734, 47.5059, 11.5718**, and **12.8241, 9.0883, 1.0783** is the 20% darker color. If you saturate the color by 10%, you get **30.1551, 23.7499, 2.9948**, and if you desaturate by 10%, it is **31.4054, 26.0293, 4.0934**.

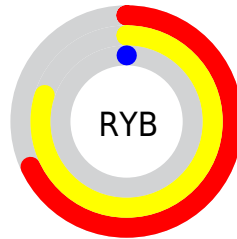
Distribution



Red (80%)

Green (43%)

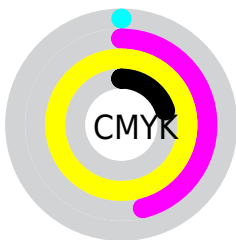
Blue (0%)



Red (68%)

Yellow (80%)

Blue (0%)

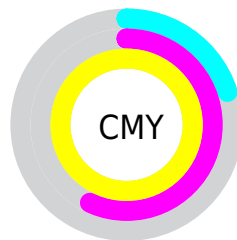


Cyan (0%)

Magenta (46%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (57%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.2100, 23.8506, 3.0401 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 30.2100, 23.8506, 3.0401 by changing the saturation by 10% instead.


 30.2100, 23.8506,
3.0401


 30.2100, 23.8506,
3.0401


294.7744,
272.0643, 136.8697


 20.1469, 15.2228,
1.1151


 59.3785, 49.7863,
11.7272


 12.6108, 8.9759,
0.0000


 79.2146, 67.8630,
19.3265


 7.2362, 4.7255,
0.0000


 103.0390, 89.8582,
29.6542

 3.6579, 2.0871,
0.0000

 131.2172,
116.1561, 43.1291

 1.5105, 0.6574,
0.0000

 164.1145,
147.1414, 60.1695


 0.3329, 0.0000,
0.0000


 202.0962,


 0.0000, 0.0000,


183.1982, 81.1940


0.0000


 245.5277,
224.7110, 106.6213


 30.2100, 23.8506,
3.0401


 30.2100, 23.8506,
3.0401


 30.1551, 23.7499,
2.9948

 31.4054, 26.0293,
4.0934

 32.8498, 28.4818,
5.9199

 34.5900, 31.2326,
8.7494

 36.6535, 34.2974,
12.7121

 39.0640, 37.6900,
17.9185

■ 41.8422, 41.4232,
24.4655

■ 45.0073, 45.5088,
32.4407

■ 48.5769, 49.9577,
41.9239

■ 52.5671, 54.7805,
52.9891

Harmonies

Analogous

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



38.1201, 23.8506, 8.2810



30.2100, 23.8506, 3.0401



21.6533, 23.8506, 2.0945

Triad

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



30.2100, 23.8506, 3.0401



10.4636, 23.8506, 29.0371



32.4258, 23.8506, 82.9794

Complementary

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



30.2100, 23.8506, 3.0401



14.7946, 12.3235, 58.0983

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.



23.7166, 23.8506, 100.1032



30.2100, 23.8506, 3.0401



12.0851, 23.8506, 59.2966

Square

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



30.2100, 23.8506, 3.0401



11.4195, 23.8506, 10.9064



16.5010, 23.8506, 89.5551



39.5976, 23.8506, 50.8588

Rectangle

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



30.2100, 23.8506, 3.0401



16.9732, 23.8506, 2.8591



16.5010, 23.8506, 89.5551



29.5154, 23.8506, 91.3286

Sweetspot

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



30.2105, 23.8519, 3.0405



74.8620, 75.5661, 53.0232



26.7171, 13.5494, 12.0980



15.5270, 15.5379, 10.0838



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.



30.2105, 23.8519, 3.0405



50.2718, 39.3235, 4.9406



44.1955, 54.4851, 8.2162



11.7054, 12.1997, 11.8173



19.2828, 15.2986, 1.9366



1.0702, 0.9401, 0.1250

Inverse Universe

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



14.7946, 12.3235, 58.0983



24.4575, 20.0351, 97.1858



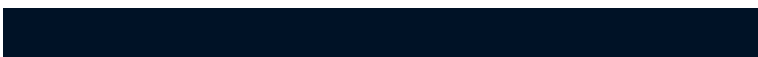
10.8872, 4.3836, 56.7716



11.0202, 11.6808, 14.2442



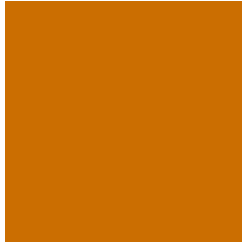
9.4657, 7.9553, 36.9929



0.5639, 0.5616, 1.9336

Previews

White Background



This preview shows how the XYZ color 30.2100, 23.8506, 3.0401 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 30.2100, 23.8506, 3.0401 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 30.2100, 23.8506, 3.0401

Background



This preview shows how black text looks on a background with the XYZ color 30.2100, 23.8506, 3.0401.



This preview shows how white text looks on a background with the XYZ color 30.2100, 23.8506,

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

30.2100, 23.8506, 3.0401

Protanopia

21.7140, 24.0438, 4.0268

Deuteranopia

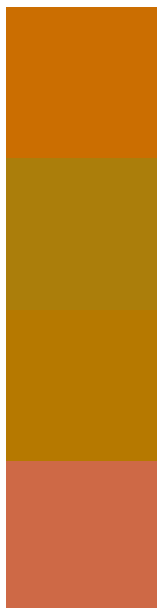
24.2967, 23.9844, 3.3489



Tritanopia

33.2438, 23.8723, 17.3237

Trichromacy



Original Color

30.2100, 23.8506, 3.0401

Protanomaly

24.3158, 23.6038, 3.5910

Deuteranomaly

26.1288, 23.6198, 3.1819

Tritanomaly

31.6107, 23.6672, 8.6965

Monochromacy



Original Color

30.2100, 23.8506, 3.0401

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

21.3013, 20.7844, 10.4785

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2100, 23.8506, 3.0401 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(203, 110, 1)` looks like.

```
.text, #text, p{  
    color:rgb(203, 110, 1)  
}
```

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(203, 110, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 110, 1) }
```

Border

The CSS property to change the border of an element to XYZ 30.2100, 23.8506, 3.0401 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(203, 110, 1) }
```


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

```
.border{ border-color:rgb(203, 110, 1) }
```

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

Here you see how a box with a 4 pixel rgb(203, 110, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 110, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 110, 1);  
box-shadow:4px 4px 4px 4px rgb(203, 110,  
1) }
```

Background

The CSS property to change the background color of an element to XYZ 30.2100, 23.8506, 3.0401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 110, 1) }
```

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

```
.background{ background-color: rgb(203,  
110, 1) }
```

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