

Converting Colors

XYZ(29.0474, 23.7416, 1.7468)

Have a look what the booklet for
XYZ(29.0474, 23.7416, 1.7468)
contains.

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Color

**XYZ(29.1938, 23.8160,
3.0583)**

Conversions

Conversions Part 1

Format	Color
Hex	C67100
RGB	198, 113, 0
RGB Percent	78%, 44%, 0%
CMY	0.2235, 0.5568, 1.0000
CMYK	0.00, 0.43, 1.00, 0.22
HSL	34°, 100%, 39%
HSV	34°, 100%, 78%
XYZ	29.1938, 23.8160, 3.0583
YIQ	125.5330, 86.9330, -17.1230

Conversions

Conversions Part 2

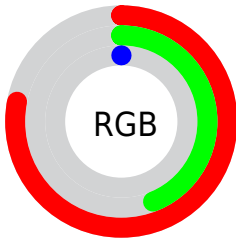
Format	Color
R _Y B	149, 198, 0
Decimal	13005056
CIE Lab	55.90, 27.43, 63.18
CIE LCh	56, 68.873, 66.532
Yxy	23.8160, 0.5207, 0.4248
Android (android.graphics.Color)	4291195136 (0xFFC67100)
YUV	125.5330, -61.8878, 63.5536
Hunter-Lab	48.8016, 21.3782, 30.4456

Details

The XYZ color **29.1938, 23.8160, 3.0583** 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 **13.4417, 10.5745, 54.7582**, and the grayscale version is **19.8562, 20.8902, 22.7495**.

A 20% lighter version of the original color is **55.6785, 48.5636, 11.5934**, and **12.3146, 9.0701, 1.1016** is the 20% darker color. If you saturate the color by 10%, you get **29.1939, 23.8164, 3.0583**, and if you desaturate by 10%, it is **30.3120, 25.8535, 4.0455**.

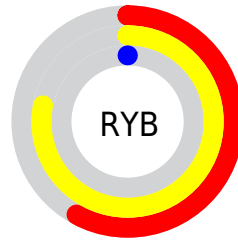
Distribution



Red (78%)

Green (44%)

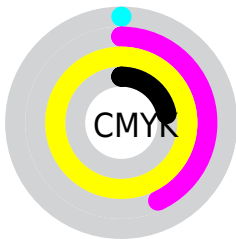
Blue (0%)



Red (58%)

Yellow (78%)

Blue (0%)

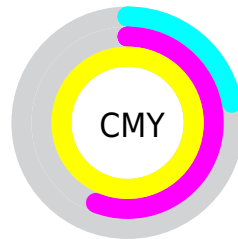


Cyan (0%)

Magenta (43%)

Yellow (100%)

Black (22%)



Cyan (22%)


Magenta (56%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.1938, 23.8160, 3.0583 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 29.1938, 23.8160, 3.0583 by changing the saturation by 10% instead.


 29.1938, 23.8160,
3.0583

 29.1938, 23.8160,
3.0583


290.1060,
271.8889, 137.0997


 19.3725, 15.1972,
1.1245


 57.7803, 49.7298,
11.7720

 12.0453, 8.9579,
0.0000


 77.2762, 67.7935,
19.3889

 6.8470, 4.7137,
0.0000


 100.7276, 89.7744,
29.7372

 3.4121, 2.0803,
0.0000

 128.5000,
116.0567, 43.2356

 1.3752, 0.6535,
0.0000

 160.9587,
147.0249, 60.3025


 0.2385, 0.0000,
0.0000


 198.4690,


 0.0000, 0.0000,


183.0635, 81.3564


0.0000


 241.3963,
224.5566, 106.8160


 29.1938, 23.8160,
3.0583


 29.1938, 23.8160,
3.0583


 29.1939, 23.8164,
3.0583

 30.3120, 25.8535,
4.0455

 31.6482, 28.1229,
5.7329

 33.2496, 30.6479,
8.3566

 35.1418, 33.4421,
12.0397

 37.3465, 36.5176,
16.8866

■ 39.8829, 39.8853,
22.9889

■ 42.7686, 43.5554,
30.4290

■ 46.0198, 47.5375,
39.2822

■ 49.6512, 51.8404,
49.6181

Harmonies

Analogous

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



37.0565, 23.8160, 7.7747



29.1938, 23.8160, 3.0583



20.9628, 23.8160, 2.3324

Triad

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



29.1938, 23.8160, 3.0583



10.7100, 23.8160, 31.1651



32.8602, 23.8160, 78.4690

Complementary

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



29.1938, 23.8160, 3.0583



13.4417, 10.5745, 54.7582

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.



24.3968, 23.8160, 96.9308



29.1938, 23.8160, 3.0583



12.5468, 23.8160, 61.1045

Square

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



29.1938, 23.8160, 3.0583



11.4237, 23.8160, 12.2470



17.1427, 23.8160, 89.2102



39.4924, 23.8160, 47.2322

Rectangle

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



29.1938, 23.8160, 3.0583



16.5424, 23.8160, 3.2992



17.1427, 23.8160, 89.2102



30.0687, 23.8160, 87.0035

Sweetspot

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



29.1943, 23.8173, 3.0587



75.4900, 76.8222, 53.2326



24.9604, 12.6746, 9.8937



15.6760, 15.8358, 10.1335



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.



29.1943, 23.8173, 3.0587



51.4472, 41.6744, 5.3324



40.1532, 50.6772, 7.6656



11.1279, 11.6249, 11.2201



19.0721, 15.6613, 2.0177



0.9739, 0.8833, 0.1192

Inverse Universe

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



13.4417, 10.5745, 54.7582



23.5685, 18.2570, 96.8895



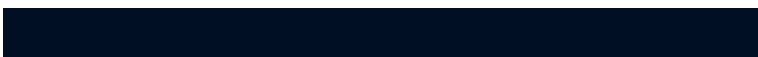
10.3621, 4.1645, 53.6833



10.4248, 11.0237, 13.4958



8.8226, 7.0391, 35.6380



0.4893, 0.4765, 1.7113

Previews

White Background



This preview shows how the XYZ color 29.1938, 23.8160, 3.0583 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 29.1938, 23.8160, 3.0583 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 29.1938, 23.8160, 3.0583

Background



This preview shows how black text looks on a background with the XYZ color 29.1938, 23.8160, 3.0583.



This preview shows how white text looks on a background with the XYZ color 29.1938, 23.8160,

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

29.1938, 23.8160, 3.0583

Protanopia

21.7064, 24.0408, 3.9865

Deuteranopia

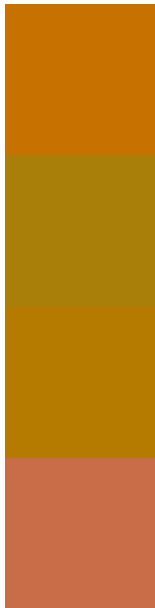
24.2967, 23.9844, 3.3489



Tritanopia

32.3893, 23.8520, 18.5196

Trichromacy



Original Color

29.1938, 23.8160, 3.0583

Protanomaly

24.0063, 23.6357, 3.5840

Deuteranomaly

25.9053, 23.8692, 3.2419

Tritanomaly

30.6197, 23.6105, 9.0743

Monochromacy



Original Color

29.1938, 23.8160, 3.0583

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

21.2342, 20.9293, 10.5100

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1938, 23.8160, 3.0583 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(198, 113, 0)` looks like.

```
.text, #text, p{  
    color:rgb(198, 113, 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(198, 113, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 113, 0) }
```

Border

The CSS property to change the border of an element to XYZ 29.1938, 23.8160, 3.0583 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(198, 113, 0) }
```


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

```
.border{ border-color:rgb(198, 113, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 113, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 113, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 113, 0);  
box-shadow:4px 4px 4px 4px rgb(198, 113,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1938, 23.8160, 3.0583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 113, 0) }
```

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

```
.background{ background-color: rgb(198,  
113, 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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