

Converting Colors

XYZ(29.4304, 23.8988, 3.0618)

Have a look what the booklet for
XYZ(29.4304, 23.8988, 3.0618)
contains.

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Color

**XYZ(29.4583, 23.9524,
3.0706)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | C77100 |
| RGB | 199, 113, 0 |
| RGB Percent | 78%, 44%, 0% |
| CMY | 0.2196, 0.5568, 1.0000 |
| CMYK | 0.00, 0.43, 1.00, 0.22 |
| HSL | 34°, 100%, 39% |
| HSV | 34°, 100%, 78% |
| XYZ | 29.4583, 23.9524, 3.0706 |
| YIQ | 125.8320, 87.5290, -16.9110 |

Conversions

Conversions Part 2

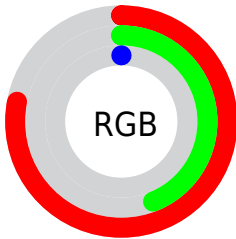
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 151, 199, 0 |
| Decimal | 13070592 |
| CIE _{Lab} | 56.04, 27.85, 63.33 |
| CIE _{LCh} | 56, 69.185, 66.260 |
| Yxy | 23.9524, 0.5216, 0.4241 |
| Android (android.graphics.Color) | 4291260672 (0xFFC77100) |
| YUV | 125.8320, -62.0352, 64.1683 |
| Hunter-Lab | 48.9412, 21.7943, 30.5389 |

Details

The XYZ color **29.4583, 23.9524, 3.0706** 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 **13.6364, 10.7788, 55.3941**, and the grayscale version is **19.9583, 20.9977, 22.8665**.

A 20% lighter version of the original color is **55.6785, 48.5636, 11.5934**, and **12.4809, 9.1558, 1.1094** is the 20% darker color. If you saturate the color by 10%, you get **29.4585, 23.9532, 3.0708**, and if you desaturate by 10%, it is **30.5896, 26.0146, 4.0665**.

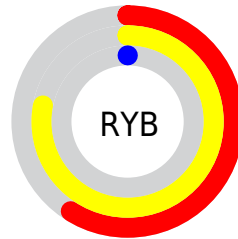
Distribution



Red (78%)

Green (44%)

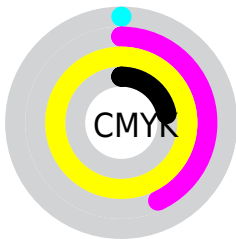
Blue (0%)



Red (59%)

Yellow (78%)

Blue (0%)

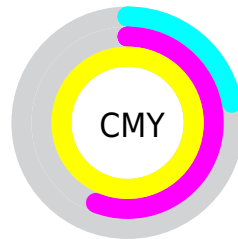


Cyan (0%)

Magenta (43%)

Yellow (100%)

Black (22%)



Cyan (22%)


Magenta (56%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.4583, 23.9524, 3.0706 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 29.4583, 23.9524, 3.0706 by changing the saturation by 10% instead.


 29.4583, 23.9524,
3.0706


 29.4583, 23.9524,
3.0706


291.3266,
272.5797, 137.2548


 19.5738, 15.2983,
1.1308


 58.1970, 49.9525,
11.8022

 12.1921, 9.0290,
0.0000


 77.7819, 68.0673,
19.4310


 6.9478, 4.7601,
0.0000


 101.3310, 90.1045,
29.7932

 3.4755, 2.1072,
0.0000

 129.2096,
116.4485, 43.3075

 1.4099, 0.6687,
0.0000

 161.7831,
147.4836, 60.3922


 0.2633, 0.0000,
0.0000


 199.4169,


 0.0000, 0.0000,


183.5942, 81.4660

0.0000


 242.4763,
225.1648, 106.9473


 29.4583, 23.9524,
3.0706


 29.4583, 23.9524,
3.0706


 29.4585, 23.9532,
3.0708

 30.5896, 26.0146,
4.0665

 31.9426, 28.3138,
5.7717

 33.5652, 30.8739,
8.4244

 35.4831, 33.7088,
12.1494

 37.7184, 36.8308,
17.0524

■ 40.2908, 40.2511,
23.2262

■ 43.2180, 43.9800,
30.7542

■ 46.5163, 48.0273,
39.7126

■ 50.2009, 52.4022,
50.1721

Harmonies

Analogous

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



37.3728, 23.9524, 7.8635



29.4583, 23.9524, 3.0706



21.1468, 23.9524, 2.3185

Triad

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



29.4583, 23.9524, 3.0706



10.7424, 23.9524, 31.1263



33.0043, 23.9524, 79.3677

Complementary

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



29.4583, 23.9524, 3.0706



13.6364, 10.7788, 55.3941

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.



24.4659, 23.9524, 97.8145



29.4583, 23.9524, 3.0706



12.5682, 23.9524, 61.2799

Square

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



29.4583, 23.9524, 3.0706



11.4844, 23.9524, 12.1752



17.1728, 23.9524, 89.7706



39.7296, 23.9524, 47.8540

Rectangle

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



29.4583, 23.9524, 3.0706



16.6752, 23.9524, 3.2693



17.1728, 23.9524, 89.7706



30.1842, 23.9524, 87.9371

Sweetspot

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



29.4588, 23.9537, 3.0710



75.4319, 76.7059, 53.2132



25.2423, 12.8178, 9.9977



15.6621, 15.8082, 10.1289



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.



29.4588, 23.9537, 3.0710



51.3356, 41.4512, 5.2952



40.6081, 51.2521, 7.7525



11.1253, 11.6197, 11.2192



19.0311, 15.5794, 2.0041



0.9721, 0.8797, 0.1186

Inverse Universe

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



13.6364, 10.7788, 55.3941



23.6470, 18.4140, 96.9157



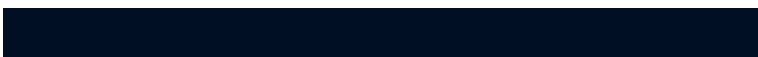
10.4788, 4.2112, 54.2929



10.4273, 11.0287, 13.4967



8.8519, 7.0978, 35.6478



0.4908, 0.4794, 1.7118

Previews

White Background



This preview shows how the XYZ color 29.4583, 23.9524, 3.0706 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 29.4583, 23.9524, 3.0706 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 29.4583, 23.9524, 3.0706

Background



This preview shows how black text looks on a background with the XYZ color 29.4583, 23.9524, 3.0706.



This preview shows how white text looks on a background with the XYZ color 29.4583, 23.9524,

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

29.4583, 23.9524, 3.0706

Protanopia

21.7064, 24.0408, 3.9865

Deuteranopia

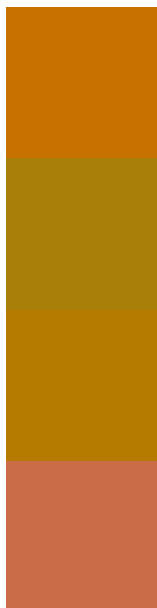
24.2967, 23.9844, 3.3489



Tritanopia

32.6608, 23.9919, 18.5323

Trichromacy



Original Color

29.4583, 23.9524, 3.0706

Protanomaly

24.0063, 23.6357, 3.5840

Deuteranomaly

26.1390, 23.9897, 3.2528

Tritanomaly

30.8894, 23.7496, 9.0870

Monochromacy



Original Color

29.4583, 23.9524, 3.0706

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

21.4222, 21.0262, 10.5188

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4583, 23.9524, 3.0706 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, 113, 0)` looks like.

```
.text, #text, p{  
    color:rgb(199, 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(199, 113, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 113, 0) }
```

Border

The CSS property to change the border of an element to XYZ 29.4583, 23.9524, 3.0706 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, 113, 0) }
```


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

```
.border{ border-color:rgb(199, 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(199, 113, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 113, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 113, 0);  
box-shadow:4px 4px 4px 4px rgb(199, 113,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4583, 23.9524, 3.0706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 113, 0) }
```

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

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