

Converting Colors

XYZ(28.1156, 23.1587, 1.8764)

Have a look what the booklet for
XYZ(28.1156, 23.1587, 1.8764)
contains.

XYZ(28.2998, 23.1904, 2.9846)	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(28.2998, 23.1904,
2.9846)**

Conversions

Conversions Part 1

Format	Color
Hex	C37000
RGB	195, 112, 0
RGB Percent	76%, 44%, 0%
CMY	0.2353, 0.5608, 1.0000
CMYK	0.00, 0.43, 1.00, 0.24
HSL	34°, 100%, 38%
HSV	34°, 100%, 76%
XYZ	28.2998, 23.1904, 2.9846
YIQ	124.0490, 85.4200, -17.2360

Conversions

Conversions Part 2

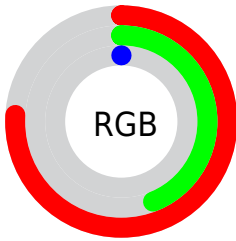
Format	Color
R_{YB}	145, 195, 0
Decimal	12808192
CIE _{Lab}	55.27, 26.69, 62.57
CIE _{LCh}	55, 68.026, 66.902
Yxy	23.1904, 0.5195, 0.4257
Android (android.graphics.Color)	4290998272 (0xFFC37000)
YUV	124.0490, -61.1562, 62.2240
Hunter-Lab	48.1564, 20.6243, 30.0349

Details

The XYZ color **28.2998, 23.1904, 2.9846** 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 **12.9435, 10.1265, 52.9017**, and the grayscale version is **19.3530, 20.3609, 22.1730**.

A 20% lighter version of the original color is **55.4988, 48.2043, 11.5335**, and **11.7692, 8.7059, 1.0601** is the 20% darker color. If you saturate the color by 10%, you get **28.3000, 23.1911, 2.9848**, and if you desaturate by 10%, it is **29.3806, 25.1573, 3.9463**.

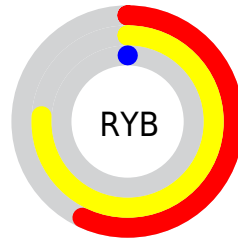
Distribution



Red (76%)

Green (44%)

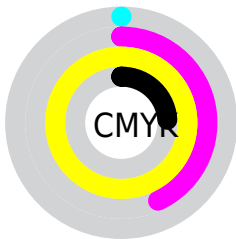
Blue (0%)



Red (57%)

Yellow (76%)

Blue (0%)

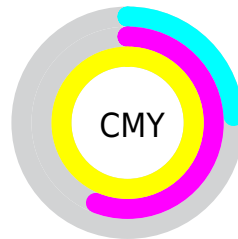


Cyan (0%)

Magenta (43%)

Yellow (100%)

Black (24%)



Cyan (24%)


Magenta (56%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.2998, 23.1904, 2.9846 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 28.2998, 23.1904, 2.9846 by changing the saturation by 10% instead.


 28.2998, 23.1904,
2.9846


 28.2998, 23.1904,
2.9846


285.9509,
268.7014, 136.1642


 18.6934, 14.7342,
1.0868

 56.3680, 48.7058,
11.5904

 11.5516, 8.6330,
0.0000


 75.5606, 66.5337,
19.1355


 6.5092, 4.5026,
0.0000


 98.6792, 88.2543,
29.4000

 3.2007, 1.9585,
0.0000

 126.0892,
114.2520, 42.8027

 1.2607, 0.5832,
0.0000

 158.1561,
144.9112, 59.7618


 0.1535, 0.0000,
0.0000


 195.2450,


 0.0000, 0.0000,


180.6162, 80.6961


0.0000


 237.7215,
221.7515, 106.0241


 28.2998, 23.1904,
2.9846


 28.2998, 23.1904,
2.9846


 28.3000, 23.1911,
2.9848

 29.3806, 25.1573,
3.9463

 30.6701, 27.3452,
5.5816

 32.2142, 29.7769,
8.1204

 34.0374, 32.4654,
11.6813

 36.1606, 35.4222,
16.3645

■ 38.6024, 38.6579,
22.2584

■ 41.3794, 42.1820,
29.4423

■ 44.5073, 46.0037,
37.9886

■ 48.0002, 50.1314,
47.9645

Harmonies

Analogous

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



35.9473, 23.1904, 7.5124



28.2998, 23.1904, 2.9846



20.3284, 23.1904, 2.3070

Triad

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



28.2998, 23.1904, 2.9846



10.4664, 23.1904, 30.6330



32.0553, 23.1904, 75.8229

Complementary

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



28.2998, 23.1904, 2.9846



12.9435, 10.1265, 52.9017

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.



23.8488, 23.1904, 93.9571



28.2998, 23.1904, 2.9846



12.2834, 23.1904, 59.7299

Square

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



28.2998, 23.1904, 2.9846



11.1298, 23.1904, 12.1129



16.7818, 23.1904, 86.8040



38.4411, 23.1904, 45.5340

Rectangle

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



28.2998, 23.1904, 2.9846



16.0579, 23.1904, 3.2771



16.7818, 23.1904, 86.8040



29.3534, 23.1904, 84.1513

Sweetspot

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



28.3003, 23.1916, 2.9850



73.8653, 75.2422, 52.0763



24.1255, 12.2501, 9.5841



15.6936, 15.8712, 10.1394



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.



28.3003, 23.1916, 2.9850



50.4337, 41.0309, 5.2616



38.8063, 48.9749, 7.4080



10.5427, 11.0168, 10.6327



18.4784, 15.2426, 1.9682



0.8656, 0.7929, 0.1074

Inverse Universe

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



12.9435, 10.1265, 52.9017



22.9466, 17.6659, 94.6702



10.0164, 4.0258, 51.8784



9.8729, 10.4370, 12.7790



8.4921, 6.7408, 34.4101



0.4351, 0.4277, 1.5095

Previews

White Background



This preview shows how the XYZ color 28.2998, 23.1904, 2.9846 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 28.2998, 23.1904, 2.9846 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 28.2998, 23.1904, 2.9846

Background



This preview shows how black text looks on a background with the XYZ color 28.2998, 23.1904, 2.9846.



This preview shows how white text looks on a background with the XYZ color 28.2998, 23.1904,

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

28.2998, 23.1904, 2.9846

Protanopia

21.0514, 23.2936, 3.8385

Deuteranopia

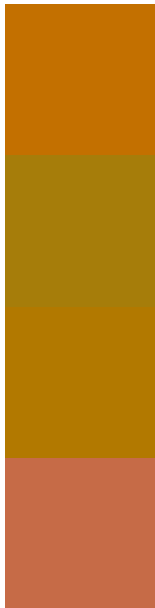
23.6093, 23.2465, 3.2427



Tritanopia

31.4281, 23.2126, 18.1533

Trichromacy



Original Color

28.2998, 23.1904, 2.9846

Protanomaly

23.1143, 22.7961, 3.4690

Deuteranomaly

25.1975, 23.1397, 3.1384

Tritanomaly

29.6837, 22.9761, 8.8316

Monochromacy



Original Color

28.2998, 23.1904, 2.9846

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

20.7054, 20.4815, 10.2592

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.2998, 23.1904, 2.9846 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(195, 112, 0)` looks like.

```
.text, #text, p{  
    color:rgb(195, 112, 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(195, 112, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 112, 0) }
```

Border

The CSS property to change the border of an element to XYZ 28.2998, 23.1904, 2.9846 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(195, 112, 0) }
```


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

```
.border{ border-color:rgb(195, 112, 0) }
```

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

Here you see how a box with a 4 pixel rgb(195, 112, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 112, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 112, 0);  
box-shadow:4px 4px 4px 4px rgb(195, 112,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 28.2998, 23.1904, 2.9846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 112, 0) }
```

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

```
.background{ background-color: rgb(195,  
112, 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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