

Converting Colors

XYZ(29.0736, 25.0017, 3.1111)

Have a look what the booklet for
XYZ(29.0736, 25.0017, 3.1111)
contains.

XYZ(28.9646, 24.9023, 3.2800)	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(28.9646, 24.9023,
3.2800)**

Conversions

Conversions Part 1

Format	Color
Hex	C27800
RGB	194, 120, 0
RGB Percent	76%, 47%, 0%
CMY	0.2392, 0.5294, 1.0000
CMYK	0.00, 0.38, 1.00, 0.24
HSL	37°, 100%, 38%
HSV	37°, 100%, 76%
XYZ	28.9646, 24.9023, 3.2800
YIQ	128.4460, 82.6240, -21.6320

Conversions

Conversions Part 2

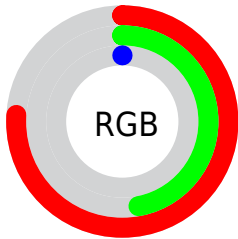
Format	Color
R _Y B	120, 194, 0
Decimal	12744704
CIE Lab	56.98, 21.90, 63.60
CIE LCh	57, 67.263, 70.998
Yxy	24.9023, 0.5068, 0.4358
Android (android.graphics.Color)	4290934784 (0xFFC27800)
YUV	128.4460, -63.3239, 57.4909
Hunter-Lab	49.9022, 16.2774, 31.0345

Details

The XYZ color **28.9646, 24.9023, 3.2800** 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 **12.1864, 8.7927, 52.0933**, and the grayscale version is **20.8674, 21.9541, 23.9080**.

A 20% lighter version of the original color is **57.0359, 51.1824, 12.3419**, and **12.0848, 9.5748, 1.2112** is the 20% darker color. If you saturate the color by 10%, you get **28.9648, 24.9029, 3.2801**, and if you desaturate by 10%, it is **30.0108, 26.8013, 4.2259**.

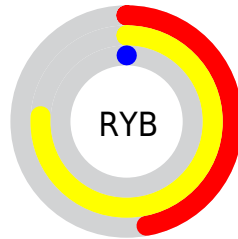
Distribution



Red (76%)

Green (47%)

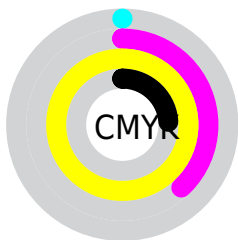
Blue (0%)



Red (47%)

Yellow (76%)

Blue (0%)

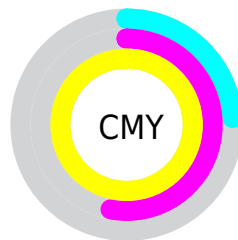


Cyan (0%)

Magenta (38%)

Yellow (100%)

Black (24%)



Cyan (24%)

Magenta (53%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.9646, 24.9023, 3.2800 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 28.9646, 24.9023, 3.2800 by changing the saturation by 10% instead.

■ 28.9646, 24.9023,
3.2800

■ 28.9646, 24.9023,
3.2800

289.0451,
277.3510, 139.8506

■ 19.1982, 16.0043,
1.2393

■ 57.4188, 51.4987,
12.3119

■ 11.9184, 9.5272,
0.0113

■ 76.8373, 69.9658,
20.1402

■ 6.7600, 5.0866,
0.0000

■ 100.2038, 92.3915,
30.7347

■ 3.3574, 2.2982,
0.0000

■ 127.8838,
119.1600, 44.5141

■ 1.3455, 0.7727,
0.0000

■ 160.2426,
150.6559, 61.8968


■ 0.2169, 0.0000,
0.0000


■ 197.6455,


■ 0.0000, 0.0000,


187.2634, 83.3015


0.0000


 240.4579,
229.3670, 109.1466


 28.9646, 24.9023,
3.2800


 28.9646, 24.9023,
3.2800

 28.9648, 24.9029,
3.2801

 30.0108, 26.8013,
4.2259

 31.2478, 28.8880,
5.8318

 32.7204, 31.1838,
8.3252

 34.4523, 33.7003,
11.8230

 36.4636, 36.4477,
16.4242

■ 38.7718, 39.4353,
22.2156

■ 41.3932, 42.6715,
29.2753

■ 44.3425, 46.1643,
37.6749

■ 47.6333, 49.9211,
47.4803

Harmonies

Analogous

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



37.0767, 24.9023, 7.4225



28.9646, 24.9023, 3.2800



20.8889, 24.9023, 2.9106

Triad

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



28.9646, 24.9023, 3.2800



11.6742, 24.9023, 36.2848



35.0921, 24.9023, 74.9533

Complementary

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



28.9646, 24.9023, 3.2800



12.1864, 8.7927, 52.0933

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.



26.6852, 24.9023, 96.1149



28.9646, 24.9023, 3.2800



13.9596, 24.9023, 66.8142

Square

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



28.9646, 24.9023, 3.2800



12.0200, 24.9023, 15.2777



19.0615, 24.9023, 92.5090



41.1225, 24.9023, 43.8795

Rectangle

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



28.9646, 24.9023, 3.2800



16.6790, 24.9023, 4.3119



19.0615, 24.9023, 92.5090



32.3810, 24.9023, 84.0750

Sweetspot

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



28.9651, 24.9036, 3.2805



74.7538, 77.0191, 52.3724



23.4966, 11.9688, 7.6161



15.9100, 16.3039, 10.2115



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.



28.9651, 24.9036, 3.2805



52.2233, 44.6100, 5.8581



36.1663, 47.2824, 7.2205



10.5803, 11.0920, 10.6452



19.1249, 16.5355, 2.1837



0.8912, 0.8442, 0.1160

Inverse Universe

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



12.1864, 8.7927, 52.0933



21.8515, 15.4757, 94.3052



10.0827, 4.0731, 51.2932



9.8362, 10.3637, 12.7668



8.0857, 5.9279, 34.2746



0.4160, 0.3895, 1.5031

Previews

White Background



This preview shows how the XYZ color 28.9646, 24.9023, 3.2800 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 28.9646, 24.9023, 3.2800 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 28.9646, 24.9023, 3.2800

Background



This preview shows how black text looks on a background with the XYZ color 28.9646, 24.9023, 3.2800.



This preview shows how white text looks on a background with the XYZ color 28.9646, 24.9023,

3.2800.

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

28.9646, 24.9023, 3.2800

Protanopia

22.6853, 25.1772, 4.0795

Deuteranopia

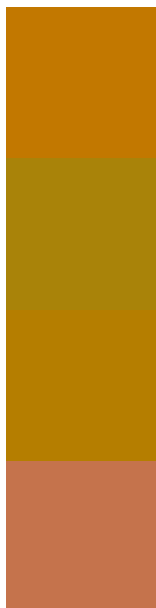
25.4382, 24.9639, 3.4778



Tritanopia

32.7375, 25.0865, 20.8860

Trichromacy



Original Color

28.9646, 24.9023, 3.2800

Protanomaly

24.5278, 24.6873, 3.7308

Deuteranomaly

26.5169, 24.7455, 3.3788

Tritanomaly

30.4612, 24.6536, 9.9906

Monochromacy



Original Color

28.9646, 24.9023, 3.2800

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

21.7677, 21.9367, 10.8715

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9646, 24.9023, 3.2800 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(194, 120, 0)` looks like.

```
.text, #text, p{  
    color:rgb(194, 120, 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(194, 120, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 120, 0) }
```

Border

The CSS property to change the border of an element to XYZ 28.9646, 24.9023, 3.2800 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(194, 120, 0) }
```


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

```
.border{ border-color:rgb(194, 120, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 120, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 120, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 120, 0);  
box-shadow:4px 4px 4px 4px rgb(194, 120,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 28.9646, 24.9023, 3.2800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 120, 0) }
```

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

```
.background{ background-color: rgb(194,  
120, 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