

Converting Colors

XYZ(29.2963, 24.6780, 2.7317)

Have a look what the booklet for
XYZ(29.2963, 24.6780, 2.7317)
contains.

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Color

**XYZ(29.5044, 24.8272,
3.2371)**

Conversions

Conversions Part 1

Format	Color
Hex	C57600
RGB	197, 118, 0
RGB Percent	77%, 46%, 0%
CMY	0.2275, 0.5372, 1.0000
CMYK	0.00, 0.40, 1.00, 0.23
HSL	36°, 100%, 39%
HSV	36°, 100%, 77%
XYZ	29.5044, 24.8272, 3.2371
YIQ	128.1690, 84.9620, -19.9500

Conversions

Conversions Part 2

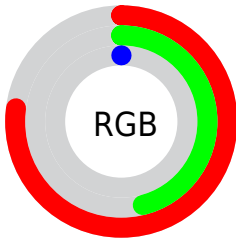
Format	Color
RYB	132, 197, 0
Decimal	12940800
CIELab	56.91, 24.29, 63.74
CIELCh	57, 68.216, 69.137
Yxy	24.8272, 0.5125, 0.4313
Android (android.graphics.Color)	4291130880 (0xFFC57600)
YUV	128.1690, -63.1873, 60.3648
Hunter-Lab	49.8269, 18.4996, 31.0269

Details

The XYZ color **29.5044, 24.8272, 3.2371** 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 **12.8742, 9.6235, 54.0019**, and the grayscale version is **20.7695, 21.8512, 23.7959**.

A 20% lighter version of the original color is **56.6278, 50.4147, 12.0566**, and **12.4446, 9.5746, 1.1922** is the 20% darker color. If you saturate the color by 10%, you get **29.5045, 24.8277, 3.2372**, and if you desaturate by 10%, it is **30.5982, 26.8173, 4.2118**.

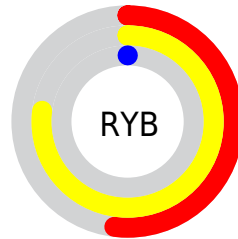
Distribution



Red (77%)

Green (46%)

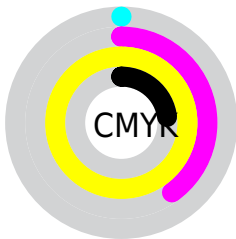
Blue (0%)



Red (52%)

Yellow (77%)

Blue (0%)

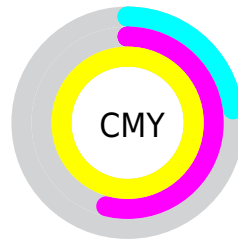


Cyan (0%)

Magenta (40%)

Yellow (100%)

Black (23%)



Cyan (23%)

Magenta (54%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5044, 24.8272, 3.2371 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 29.5044, 24.8272, 3.2371 by changing the saturation by 10% instead.

■ 29.5044, 24.8272,
3.2371

■ 29.5044, 24.8272,
3.2371

291.5389,
276.9763, 139.3254

■ 19.6089, 15.9484,
1.2169

■ 58.2696, 51.3768,
12.2081

■ 12.2177, 9.4876,
0.0000

■ 77.8699, 69.8163,
19.9960

■ 6.9654, 5.0606,
0.0000

■ 101.4360, 92.2114,
30.5436

■ 3.4866, 2.2829,
0.0000

■ 129.3331,
118.9467, 44.2694

■ 1.4160, 0.7646,
0.0000

■ 161.9266,
150.4064, 61.5919


■ 0.2676, 0.0000,
0.0000


■ 199.5818,


■ 0.0000, 0.0000,


186.9750, 82.9297


0.0000


 242.6641,
229.0368, 108.7014


 29.5044, 24.8272,
3.2371


 29.5044, 24.8272,
3.2371


 29.5045, 24.8277,
3.2372

 30.5982, 26.8173,
4.2118

 31.8970, 29.0158,
5.8746

 33.4472, 31.4454,
8.4591

 35.2734, 34.1187,
12.0871

 37.3969, 37.0466,
16.8612

■ 39.8363, 40.2394,
22.8719

■ 42.6084, 43.7063,
30.2003

■ 45.7289, 47.4559,
38.9209

■ 49.2121, 51.4964,
49.1021

Harmonies

Analogous

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



37.6365, 24.8272, 7.6828



29.5044, 24.8272, 3.2371



21.2405, 24.8272, 2.7040

Triad

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



29.5044, 24.8272, 3.2371



11.4447, 24.8272, 34.6406



34.6865, 24.8272, 77.5543

Complementary

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



29.5044, 24.8272, 3.2371



12.8742, 9.6235, 54.0019

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.



26.1227, 24.8272, 97.9246



29.5044, 24.8272, 3.2371



13.5723, 24.8272, 65.4121

Square

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



29.5044, 24.8272, 3.2371



11.9537, 24.8272, 14.1928



18.5368, 24.8272, 92.5373



41.0668, 24.8272, 45.9310

Rectangle

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



29.5044, 24.8272, 3.2371



16.8782, 24.8272, 3.9338



18.5368, 24.8272, 92.5373



31.8984, 24.8272, 86.5751

Sweetspot

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



29.5049, 24.8285, 3.2375



76.0689, 77.9798, 53.4255



24.5522, 12.4809, 9.1152



15.8135, 16.1110, 10.1793



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.



29.5049, 24.8285, 3.2375



52.5895, 43.9591, 5.7132



38.9246, 49.7057, 7.5429



11.1533, 11.6758, 11.2286



19.4902, 16.4976, 2.1571



0.9924, 0.9203, 0.1253

Inverse Universe

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



12.8742, 9.6235, 54.0019



22.8265, 16.7730, 96.6422



10.2991, 4.1453, 53.0802



10.3999, 10.9739, 13.4875



8.5446, 6.4832, 35.5454



0.4752, 0.4482, 1.7066

Previews

White Background



This preview shows how the XYZ color 29.5044, 24.8272, 3.2371 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 29.5044, 24.8272, 3.2371 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 29.5044, 24.8272, 3.2371

Background



This preview shows how black text looks on a background with the XYZ color 29.5044, 24.8272, 3.2371.



This preview shows how white text looks on a background with the XYZ color 29.5044, 24.8272,

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

29.5044, 24.8272, 3.2371

Protanopia

22.5495, 24.8944, 4.0685

Deuteranopia

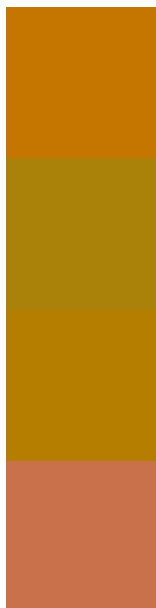
25.2162, 24.8495, 3.4674



Tritanopia

32.9333, 24.8774, 20.2056

Trichromacy



Original Color

29.5044, 24.8272, 3.2371

Protanomaly

24.6150, 24.5332, 3.7252

Deuteranomaly

26.7523, 24.8668, 3.3898

Tritanomaly

30.9945, 24.5976, 9.7708

Monochromacy



Original Color

29.5044, 24.8272, 3.2371

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

21.8297, 21.7817, 10.8383

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5044, 24.8272, 3.2371 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(197, 118, 0)` looks like.

```
.text, #text, p{  
    color:rgb(197, 118, 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(197, 118, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 118, 0) }
```

Border

The CSS property to change the border of an element to XYZ 29.5044, 24.8272, 3.2371 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(197, 118, 0) }
```


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

```
.border{ border-color:rgb(197, 118, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 118, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 118, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 118, 0);  
box-shadow:4px 4px 4px 4px rgb(197, 118,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5044, 24.8272, 3.2371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 118, 0) }
```

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

```
.background{ background-color: rgb(197,  
118, 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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