

# Converting Colors

XYZ(28.8222, 24.4597, 6.1972)

Have a look what the booklet for  
XYZ(28.8222, 24.4597, 6.1972)  
contains.

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# Color

**XYZ(28.7924, 24.3936,  
6.2085)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C07632
RGB	192, 118, 50
RGB Percent	75%, 46%, 20%
CMY	0.2471, 0.5372, 0.8039
CMYK	0.00, 0.39, 0.74, 0.25
HSL	29°, 59%, 47%
HSV	29°, 74%, 75%
XYZ	28.7924, 24.3936, 6.2085
YIQ	132.3740, 65.9320, -5.4600

# Conversions

## Conversions Part 2

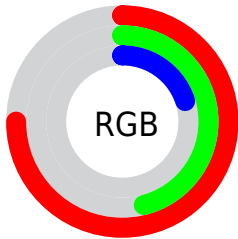
<b>Format</b>	<b>Color</b>
<b>RYB</b>	192, 180, 50
Decimal	12613170
CIELab	56.48, 23.39, 47.99
CIELCh	56, 53.383, 64.015
Yxy	24.3936, 0.4848, 0.4107
Android (android.graphics.Color)	4290803250 (0xFFC07632)
YUV	132.3740, -40.6104, 52.2920
Hunter-Lab	49.3899, 17.6264, 27.1199

# Details

The XYZ color **28.7924, 24.3936, 6.2085** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **18.0370, 18.8982, 52.5660**, and the grayscale version is **22.1935, 23.3492, 25.4273**.

A 20% lighter version of the original color is **57.3712, 50.9286, 18.8630**, and **11.8010, 9.2428, 1.1621** is the 20% darker color. If you saturate the color by 10%, you get **27.3454, 22.0295, 4.0935**, and if you desaturate by 10%, it is **30.5391, 27.0797, 9.2804**.

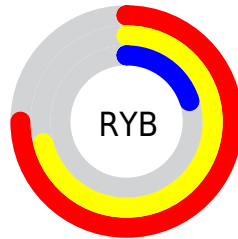
# Distribution



Red (75%)

Green (46%)

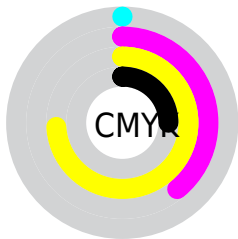
Blue (20%)



Red (75%)

Yellow (71%)

Blue (20%)

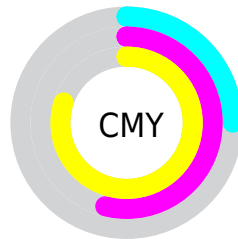


Cyan (0%)

Magenta (39%)

Yellow (74%)

Black (25%)



Cyan (25%)

Magenta (54%)


Yellow (80%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 28.7924, 24.3936, 6.2085 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 28.7924, 24.3936, 6.2085 by changing the saturation by 10% instead.





 28.7924, 24.3936,  
6.2085


 28.7924, 24.3936,  
6.2085


288.2461,  
274.8044, 170.2880


 19.0673, 15.6259,  
2.9014


 57.1469, 50.6717,  
18.8472


 11.8232, 9.2598,  
1.0445


 76.5071, 68.9509,  
29.0160

 6.6948, 4.9110,  
0.0000


 99.8097, 91.1694,  
42.3091

 3.3166, 2.1951,  
0.0000

 127.4200,  
117.7115, 59.1450

 1.3233, 0.7173,  
0.0000

 159.7035,  
148.9616, 79.9423

 0.2006, 0.0000,  
0.0000

 197.0254,

 0.0000, 0.0000,

185.3042, 105.1195

0.0000

239.7511,  
227.1237, 135.0953

■ 28.7924, 24.3936,  
6.2085

■ 28.7924, 24.3936,  
6.2085

■ 27.3454, 22.0295,  
4.0935

■ 30.5391, 27.0797,  
9.2804

■ 26.1693, 19.9665,  
2.8098

■ 32.6070, 30.0990,  
13.4111

■ 25.5609, 18.8520,  
2.2916

■ 35.0168, 33.4669,  
18.6906

■ 37.7872, 37.1959,  
25.1989

■ 40.9348, 41.2983,  
33.0087

■ 44.4754, 45.7852,  
42.1869

■ 48.4238, 50.6676,  
52.7960

■ 52.7939, 55.9558,  
64.8945

■ 57.5988, 61.6597,  
78.5375

# Harmonies

## Analogous

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



34.4982, 24.3936, 11.7070



28.7924, 24.3936, 6.2085



22.3632, 24.3936, 5.0196

# Triad

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



28.7924, 24.3936, 6.2085



13.2354, 24.3936, 29.0155



30.4898, 24.3936, 65.9443

# Complementary

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



28.7924, 24.3936, 6.2085



18.0370, 18.8982, 52.5660

# 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.



24.0275, 24.3936, 77.0400



28.7924, 24.3936, 6.2085



14.6632, 24.3936, 50.5144

# Square

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



28.7924, 24.3936, 6.2085



14.0587, 24.3936, 14.2640



18.3581, 24.3936, 70.4110



35.5941, 24.3936, 44.4396



# Rectangle

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



28.7924, 24.3936, 6.2085



18.6770, 24.3936, 6.0226



18.3581, 24.3936, 70.4110



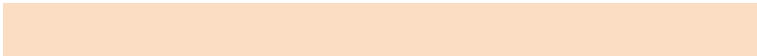
28.3665, 24.3936, 71.3630

# Sweetspot

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



28.7930, 24.3949, 6.2089



75.1529, 76.0878, 62.3090



26.6275, 14.9873, 21.1382



15.7670, 15.8666, 12.4632



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



28.7930, 24.3949, 6.2089



48.1176, 37.4380, 5.7570



40.1408, 47.0905, 9.9915



10.4622, 10.8559, 10.6059



17.2769, 12.8396, 1.5677



0.8155, 0.6927, 0.0907



# Inverse Universe

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



18.0370, 18.8982, 52.5660



27.5852, 26.8966, 94.0980



12.1835, 7.1912, 50.6148



9.9528, 10.5969, 12.8057



9.5503, 8.8572, 34.7629



0.4813, 0.5201, 1.5249



# Previews

## White Background



This preview shows how the XYZ color 28.7924, 24.3936, 6.2085 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

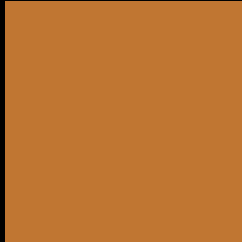
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 28.7924, 24.3936, 6.2085 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 28.7924, 24.3936, 6.2085**

## **Background**



This preview shows how black text looks on a background with the XYZ color 28.7924, 24.3936, 6.2085.



This preview shows how white text looks on a background with the XYZ color 28.7924, 24.3936,



# 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

28.7924, 24.3936, 6.2085

### Protanopia

22.2562, 24.4635, 7.1633

### Deuteranopia

24.9409, 24.4518, 6.0945



## Tritanopia

31.7792, 24.4366, 20.4945

# Trichromacy



## Original Color

28.7924, 24.3936, 6.2085

## Protanomaly

24.2187, 24.0645, 6.7366

## Deuteranomaly

26.2272, 24.3456, 6.1132

## Tritanomaly

30.5434, 24.4449, 13.6982

# Monochromacy



## Original Color

28.7924, 24.3936, 6.2085

## Achromatopsia

21.9318, 23.0740, 25.1276

## Achromatomaly

23.3141, 23.0081, 15.7826

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 28.7924, 24.3936, 6.2085 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(192, 118, 50)` looks like.

```
.text, #text, p{  
    color:rgb(192, 118, 50)  
}
```

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(192, 118, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 118, 50) }
```

## Border

The CSS property to change the border of an element to XYZ 28.7924, 24.3936, 6.2085 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(192, 118, 50) }
```



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

```
.border{ border-color:rgb(192, 118, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 118, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 118, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 118, 50);  
box-shadow:4px 4px 4px 4px rgb(192, 118,  
50) }
```

# Background

The CSS property to change the background color of an element to XYZ 28.7924, 24.3936, 6.2085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 118, 50) }
```

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

```
.background{ background-color: rgb(192,  
118, 50) }
```

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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