

# Converting Colors

XYZ(24.7712, 17.5537, 2.0826)

Have a look what the booklet for  
XYZ(24.7712, 17.5537, 2.0826)  
contains.

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# Color

**XYZ(24.7344, 17.5734,  
2.0884)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BF5500
RGB	191, 85, 0
RGB Percent	75%, 33%, 0%
CMY	0.2510, 0.6666, 1.0000
CMYK	0.00, 0.55, 1.00, 0.25
HSL	27°, 100%, 37%
HSV	27°, 100%, 75%
XYZ	24.7344, 17.5734, 2.0884
YIQ	107.0040, 90.4610, -3.9630

# Conversions

## Conversions Part 2

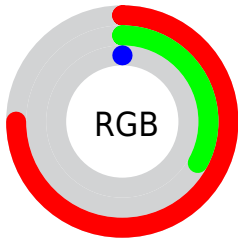
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	191, 153, 0
Decimal	12539136
CIE <sub>Lab</sub>	48.97, 39.16, 58.49
CIE <sub>LCh</sub>	49, 70.387, 56.198
Yxy	17.5734, 0.5571, 0.3958
Android (android.graphics.Color)	4290729216 (0xFFBF5500)
YUV	107.0040, -52.7530, 73.6645
Hunter-Lab	41.9206, 31.9591, 26.3907

# Details

The XYZ color **24.7344, 17.5734, 2.0884** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **14.5578, 14.0693, 51.2382**, and the grayscale version is **14.1012, 14.8356, 16.1560**.

A 20% lighter version of the original color is **50.6610, 39.2991, 9.3302**, and **9.7779, 5.8899, 0.6215** is the 20% darker color. If you saturate the color by 10%, you get **24.7345, 17.5739, 2.0884**, and if you desaturate by 10%, it is **25.7512, 19.4178, 3.0116**.

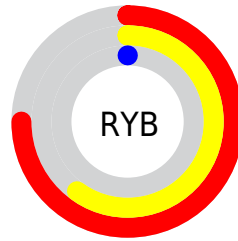
# Distribution



Red (75%)

Green (33%)

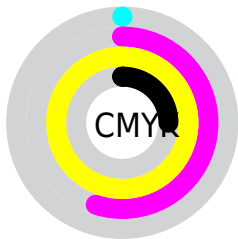
Blue (0%)



Red (75%)

Yellow (60%)

Blue (0%)

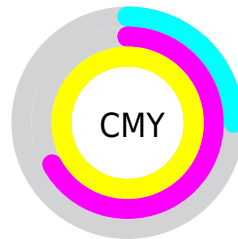


Cyan (0%)

Magenta (55%)

Yellow (100%)

Black (25%)



Cyan (25%)

Magenta (67%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 24.7344, 17.5734, 2.0884 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 24.7344, 17.5734, 2.0884 by changing the saturation by 10% instead.



■ 24.7344, 17.5734,  
2.0884

■ 24.7344, 17.5734,  
2.0884

268.8847,  
238.4554, 123.7347

■ 16.0070, 10.6442,  
0.6089

■ 50.6720, 39.3091,  
9.2811

■ 9.6200, 5.8281,  
0.0000

■ 68.6129, 54.8842,  
15.8732

■ 5.2080, 2.7408,  
0.0000

■ 90.3557, 74.1102,  
25.0206

■ 2.4058, 0.9980,  
0.0000

■ 116.2656, 97.3713,  
37.1417

■ 0.8480, 0.0000,  
0.0000


■ 146.7082,  
125.0520, 52.6551


■ 0.0000, 0.0000,  
0.0000


■ 182.0486,


157.5367, 71.9794


 222.6524,  
195.2097, 95.5331


 24.7344, 17.5734,  
2.0884


 24.7344, 17.5734,  
2.0884


 24.7345, 17.5739,  
2.0884

 25.7512, 19.4178,  
3.0116

 27.0142, 21.5681,  
4.5904

 28.5705, 24.0521,  
7.0477

 30.4462, 26.8874,  
10.4967

 32.6635, 30.0900,  
15.0337

■ 35.2425, 33.6749,  
20.7433

■ 38.2015, 37.6557,  
27.7015

■ 41.5573, 42.0456,  
35.9780

■ 45.3257, 46.8567,  
45.6373

# Harmonies

## Analogous

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



30.7427, 17.5734, 7.2201



24.7344, 17.5734, 2.0884



17.5521, 17.5734, 0.9935

# Triad

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



24.7344, 17.5734, 2.0884



7.0248, 17.5734, 16.8411



22.9024, 17.5734, 73.1700

# Complementary

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



24.7344, 17.5734, 2.0884



14.5578, 14.0693, 51.2382

# 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.



15.8817, 17.5734, 82.3990



24.7344, 17.5734, 2.0884



7.7597, 17.5734, 39.8822

# Square

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



24.7344, 17.5734, 2.0884



8.2715, 17.5734, 5.2658



10.6308, 17.5734, 67.4760



29.5055, 17.5734, 47.0305



# Rectangle

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



24.7344, 17.5734, 2.0884



13.4305, 17.5734, 1.1939



10.6308, 17.5734, 67.4760



20.4681, 17.5734, 78.8711

# Sweetspot

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



24.7348, 17.5744, 2.0887



68.1504, 67.0850, 48.9656



24.2051, 12.1641, 15.3253



14.4529, 14.0468, 9.5328



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.



24.7348, 17.5744, 2.0887



44.0662, 31.0075, 3.6625



37.4592, 43.0232, 6.3302



9.8703, 10.2165, 10.0284



16.3331, 11.7050, 1.3984



0.7051, 0.5890, 0.0765



# Inverse Universe

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



14.5578, 14.0693, 51.2382



25.8263, 24.7045, 91.6864



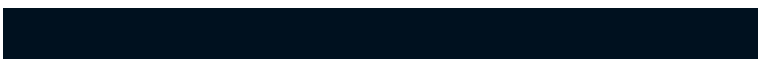
9.5446, 4.0428, 49.5672



9.4436, 10.0796, 12.1200



9.6484, 9.4086, 33.7004



0.4422, 0.4972, 1.3415



# Previews

## White Background



This preview shows how the XYZ color 24.7344, 17.5734, 2.0884 looks on a white 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



# Black Background



This preview shows how the XYZ color 24.7344, 17.5734, 2.0884 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 24.7344, 17.5734, 2.0884**

## **Background**



This preview shows how black text looks on a background with the XYZ color 24.7344, 17.5734, 2.0884.



This preview shows how white text looks on a background with the XYZ color 24.7344, 17.5734,



# 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

24.7344, 17.5734, 2.0884

### Protanopia

15.9862, 17.6718, 3.1407

### Deuteranopia

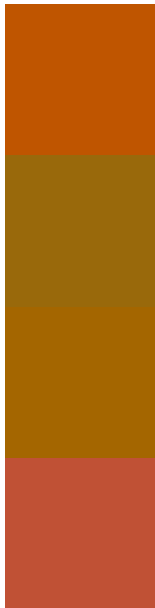
17.8972, 17.6648, 2.4664



## Tritanopia

26.3885, 17.5695, 10.3879

# Trichromacy



## Original Color

24.7344, 17.5734, 2.0884

## Protanomaly

18.2488, 16.8996, 2.6167

## Deuteranomaly

20.0612, 17.3953, 2.3003

## Tritanomaly

25.3233, 17.3484, 5.3820

# Monochromacy



## Original Color

24.7344, 17.5734, 2.0884

## Achromatopsia

13.9749, 14.7027, 16.0113

## Achromatomaly

15.9865, 14.7443, 7.4722

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 24.7344, 17.5734, 2.0884 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(191, 85, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 85, 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(191, 85, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 85, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 24.7344, 17.5734, 2.0884 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(191, 85, 0) }
```



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

```
.border{ border-color:rgb(191, 85, 0) }
```

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

Here you see how a box with a 4 pixel rgb(191, 85, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 85, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 85, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 85, 0)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 24.7344, 17.5734, 2.0884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 85, 0) }
```

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

```
.background{ background-color: rgb(191, 85,  
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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