

# Converting Colors

XYZ(34.5503, 23.5869, 0.9254)

Have a look what the booklet for  
XYZ(34.5503, 23.5869, 0.9254)  
contains.

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# Color

**XYZ(34.8785, 23.6618,  
2.7289)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E15C00
RGB	225, 92, 0
RGB Percent	88%, 36%, 0%
CMY	0.1176, 0.6392, 1.0000
CMYK	0.00, 0.59, 1.00, 0.12
HSL	25°, 100%, 44%
HSV	25°, 100%, 88%
XYZ	34.8785, 23.6618, 2.7289
YIQ	121.2790, 108.8000, -0.4160

# Conversions

## Conversions Part 2

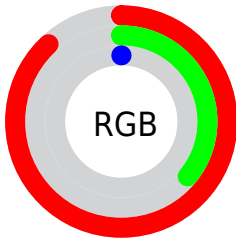
Format	Color
<a href="#">RYB</a>	<a href="#">225, 156, 0</a>
Decimal	<a href="#">14769152</a>
<a href="#">CIELab</a>	<a href="#">55.75, 48.71, 65.17</a>
<a href="#">CIELCh</a>	<a href="#">56, 81.365, 53.226</a>
<a href="#">Yxy</a>	<a href="#">23.6618, 0.5693, 0.3862</a>
<a href="#">Android (android.graphics.Color)</a>	<a href="#">4292959232 (0xFFE15C00)</a>
<a href="#">YUV</a>	<a href="#">121.2790, -59.7905, 90.9633</a>
<a href="#">Hunter-Lab</a>	<a href="#">48.6434, 42.8629, 30.7242</a>

# Details

The XYZ color **34.8785, 23.6618, 2.7289** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed red. A complement of this color would be **21.9777, 22.2105, 74.3624**, and the grayscale version is **18.4284, 19.3881, 21.1137**.

A 20% lighter version of the original color is **52.4443, 42.1879, 10.2295**, and **15.3595, 8.9002, 0.9084** is the 20% darker color. If you saturate the color by 10%, you get **34.8787, 23.6626, 2.7290**, and if you desaturate by 10%, it is **36.2838, 26.2333, 3.9360**.

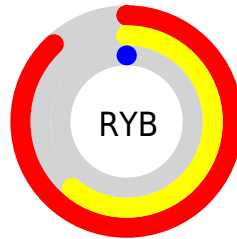
# Distribution



Red (88%)

Green (36%)

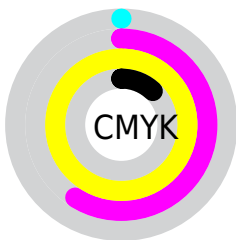
Blue (0%)



Red (88%)

Yellow (61%)

Blue (0%)

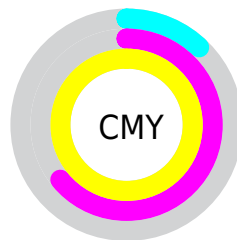


Cyan (0%)

Magenta (59%)

Yellow (100%)

Black (12%)



Cyan (12%)

Magenta (64%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.8785, 23.6618, 2.7289 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 34.8785, 23.6618, 2.7289 by changing the saturation by 10% instead.





 34.8785, 23.6618,  
2.7289

 34.8785, 23.6618,  
2.7289


315.5491,  
271.1062, 132.8292


 23.7354, 15.0829,  
0.9579

 66.6328, 49.4777,  
10.9518


 15.2611, 8.8776,  
0.0000


 87.9746, 67.4836,  
18.2409


 9.0903, 4.6614,  
0.0000


 113.4467, 89.4006,  
28.2063

 4.8577, 2.0500,  
0.0000

 143.4145,  
115.6131, 41.2668

 2.1979, 0.6363,  
0.0000

 178.2433,  
146.5055, 57.8407


 0.7416, 0.0000,  
0.0000


 218.2984,


 0.0000, 0.0000,


182.4622, 78.3468


0.0000


 263.9452,  
223.8677, 103.2034


 34.8785, 23.6618,  
2.7289


 34.8785, 23.6618,  
2.7289


 34.8787, 23.6626,  
2.7290

 36.2838, 26.2333,  
3.9360

 38.0750, 29.2973,  
6.1313

 40.3181, 32.8960,  
9.6146

 43.0537, 37.0595,  
14.5581

 46.3172, 41.8151,  
21.1071

■ 50.1401, 47.1877,  
29.3891

■ 54.5510, 53.2006,  
39.5185

■ 59.5764, 59.8760,  
51.6000

■ 65.2411, 67.2344,  
65.7301

# Harmonies

## Analogous

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



43.0642, 23.6618, 10.4661



34.8785, 23.6618, 2.7289



24.6494, 23.6618, 1.0750

# Triad

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



34.8785, 23.6618, 2.7289



9.0669, 23.6618, 20.2202



30.2415, 23.6618, 106.4094

# Complementary

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



34.8785, 23.6618, 2.7289



21.9777, 22.2105, 74.3624

# 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.



20.4603, 23.6618, 116.3989



34.8785, 23.6618, 2.7289



9.8034, 23.6618, 51.4618

# Square

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



34.8785, 23.6618, 2.7289



11.0571, 23.6618, 5.7401



13.4488, 23.6618, 91.7069



39.9155, 23.6618, 69.7558



# Rectangle

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



34.8785, 23.6618, 2.7289



18.6681, 23.6618, 1.1990



13.4488, 23.6618, 91.7069



26.8005, 23.6618, 113.7048

# Sweetspot

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



34.8790, 23.6632, 2.7293



72.3189, 70.4799, 52.1755



35.4245, 17.7569, 24.4827



14.9275, 14.3389, 9.8840



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.



34.8790, 23.6632, 2.7293



46.2178, 31.2156, 3.5893



52.2892, 58.4835, 8.5327



14.1652, 14.6163, 14.3814



20.2072, 13.8523, 1.6087



1.4871, 1.1331, 0.1403



# Inverse Universe

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



21.9777, 22.2105, 74.3624



29.0728, 29.2656, 98.7243



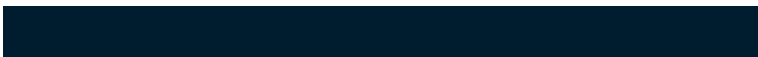
13.8872, 6.0296, 71.6656



13.6221, 14.5833, 17.4846



12.7820, 13.0337, 42.8904



0.9734, 1.0782, 3.0021



# Previews

## White Background



This preview shows how the XYZ color 34.8785, 23.6618, 2.7289 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 34.8785, 23.6618, 2.7289 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 34.8785, 23.6618, 2.7289**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.8785, 23.6618, 2.7289.



This preview shows how white text looks on a background with the XYZ color 34.8785, 23.6618,



# 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

34.8785, 23.6618, 2.7289

### Protanopia

21.5713, 23.9652, 4.2479

### Deuteranopia

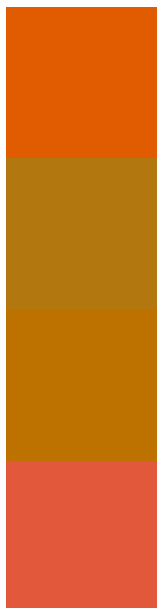
23.9516, 23.6138, 3.2955



## Tritanopia

36.8947, 23.7418, 12.5356

# Trichromacy



## Original Color

34.8785, 23.6618, 2.7289

## Protanomaly

25.0362, 22.6903, 3.4756

## Deuteranomaly

27.0036, 22.8534, 2.9879

## Tritanomaly

35.6175, 23.4537, 6.6528

# Monochromacy



## Original Color

34.8785, 23.6618, 2.7289

## Achromatopsia

18.1737, 19.1202, 20.8219

## Achromatomaly

21.2136, 19.0586, 9.5818

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.8785, 23.6618, 2.7289 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(225, 92, 0)` looks like.

```
.text, #text, p{  
    color:rgb(225, 92, 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(225, 92, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 92, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 34.8785, 23.6618, 2.7289 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(225, 92, 0) }
```



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

```
.border{ border-color:rgb(225, 92, 0) }
```

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

Here you see how a box with a 4 pixel rgb(225, 92, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 92, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 92, 0);  
box-shadow:4px 4px 4px 4px rgb(225, 92, 0)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 34.8785, 23.6618, 2.7289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 92, 0) }
```

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

```
.background{ background-color: rgb(225, 92,  
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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