

# Converting Colors

XYZ(35.2884, 24.1067, 4.0215)

Have a look what the booklet for  
XYZ(35.2884, 24.1067, 4.0215)  
contains.

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# Color

**XYZ(35.2884, 24.1067,  
4.0215)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E15E1E
RGB	225, 94, 30
RGB Percent	88%, 37%, 12%
CMY	0.1177, 0.6313, 0.8823
CMYK	0.00, 0.58, 0.87, 0.12
HSL	20°, 76%, 50%
HSV	20°, 87%, 88%
XYZ	35.2884, 24.1067, 4.0215
YIQ	125.8730, 98.6200, 7.8680

# Conversions

## Conversions Part 2

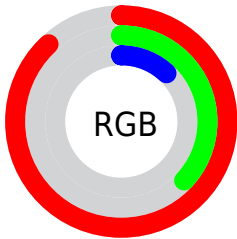
<b>Format</b>	<b>Color</b>
<b>RYB</b>	225, 125, 30
Decimal	14769694
CIELab	56.19, 48.18, 57.87
CIELCh	56, 75.300, 50.219
Yxy	24.1067, 0.5565, 0.3801
Android (android.graphics.Color)	4292959774 (0xFFE15E1E)
YUV	125.8730, -47.2654, 86.9344
Hunter-Lab	49.0986, 42.3700, 29.5128

# Details

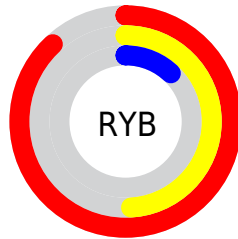
The XYZ color **35.2884, 24.1067, 4.0215** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **26.8698, 31.1999, 75.8396**, and the grayscale version is **19.9211, 20.9586, 22.8239**.

A 20% lighter version of the original color is **53.3529, 43.0490, 13.4799**, and **15.6591, 9.1990, 0.9503** is the 20% darker color. If you saturate the color by 10%, you get **33.8805, 21.6005, 2.5991**, and if you desaturate by 10%, it is **37.1641, 27.2234, 6.6044**.

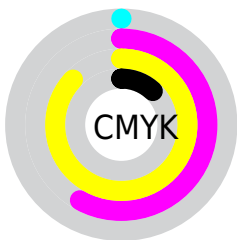
# Distribution



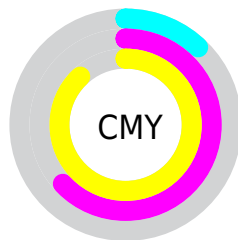
- Red (88%)
- Green (37%)
- Blue (12%)



- Red (88%)
- Yellow (49%)
- Blue (12%)



- Cyan (0%)
- Magenta (58%)
- Yellow (87%)
- Black (12%)




- Cyan (12%)
- Magenta (63%)
- Yellow (88%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.2884, 24.1067, 4.0215 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 35.2884, 24.1067, 4.0215 by changing the saturation by 10% instead.




 35.2884, 24.1067,  
4.0215


 35.2884, 24.1067,  
4.0215


317.3252,  
273.3595, 148.4640

 24.0527, 15.4128,  
1.6371


 67.2634, 50.2043,  
14.0593

 15.4976, 9.1096,  
0.3171


 88.7334, 68.3767,  
22.5499

 9.2580, 4.8127,  
0.0000


 114.3455, 90.4774,  
33.9129

 4.9683, 2.1378,  
0.0000

 144.4650,  
116.8909, 48.5669

 2.2632, 0.6858,  
0.0000

 179.4574,  
148.0014, 66.9305

 0.7757, 0.0000,  
0.0000

 219.6880,

 0.0000, 0.0000,

184.1934, 89.4222

0.0000

265.5222,  
225.8513, 116.4605

35.2884, 24.1067,  
4.0215

35.2884, 24.1067,  
4.0215

33.8805, 21.6005,  
2.5991

37.1641, 27.2234,  
6.6044

33.4901, 20.8854,  
2.2662

39.5587, 30.9904,  
10.5539

42.5160, 35.4473,  
16.0338

46.0742, 40.6291,  
23.1840

50.2678, 46.5683,  
32.1287

■ 55.1283, 53.2949,  
42.9799

■ 60.6850, 60.8376,  
55.8407

■ 66.9656, 69.2234,  
70.8064

■ 73.9959, 78.4779,  
87.9664

# Harmonies

## Analogous

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



42.3334, 24.1067, 12.9865



35.2884, 24.1067, 4.0215



25.8560, 24.1067, 1.7287

# Triad

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



35.2884, 24.1067, 4.0215



10.1192, 24.1067, 18.9589



29.1556, 24.1067, 101.1263

# Complementary

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



35.2884, 24.1067, 4.0215



26.8698, 31.1999, 75.8396

# 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.



20.2017, 24.1067, 106.7399



35.2884, 24.1067, 4.0215



10.5803, 24.1067, 46.3942

# Square

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



35.2884, 24.1067, 4.0215



12.3597, 24.1067, 6.0438



13.8327, 24.1067, 82.5139



38.2198, 24.1067, 70.0489



# Rectangle

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



35.2884, 24.1067, 4.0215



20.0865, 24.1067, 1.7391



13.8327, 24.1067, 82.5139



25.9922, 24.1067, 106.5786

# Sweetspot

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



35.2889, 24.1081, 4.0219



73.5536, 71.2429, 57.8481



38.1488, 19.5895, 36.5386



15.2362, 14.5521, 11.2329



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.



35.2889, 24.1081, 4.0219



44.3871, 27.5543, 2.9790



49.5369, 52.6040, 8.7712



14.0729, 14.4317, 14.3507



19.3939, 12.2256, 1.3376



1.4241, 1.0071, 0.1193

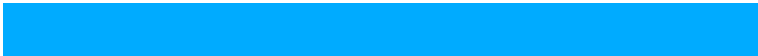


# Inverse Universe

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



26.8698, 31.1999, 75.8396



32.6695, 36.4590, 99.9232



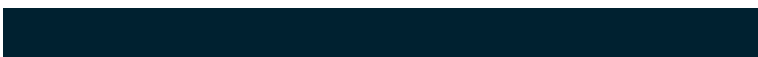
16.0598, 9.5798, 72.2363



13.7176, 14.7744, 17.5164



14.3331, 16.1358, 43.4074



1.0742, 1.2799, 3.0357



# Previews

## White Background



This preview shows how the XYZ color 35.2884, 24.1067, 4.0215 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 35.2884, 24.1067, 4.0215 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 35.2884, 24.1067, 4.0215**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.2884, 24.1067, 4.0215.



This preview shows how white text looks on a background with the XYZ color 35.2884, 24.1067,



# 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

35.2884, 24.1067, 4.0215

### Protanopia

22.1361, 24.4369, 5.5576

### Deuteranopia

24.5138, 24.0963, 3.3590



## Tritanopia

37.1441, 24.1007, 13.0501

# Trichromacy



## Original Color

35.2884, 24.1067, 4.0215

## Protanomaly

25.7462, 23.3858, 4.8260

## Deuteranomaly

27.7917, 23.5913, 3.4054

## Tritanomaly

36.1257, 23.9233, 8.5080

# Monochromacy



## Original Color

35.2884, 24.1067, 4.0215

## Achromatopsia

19.8309, 20.8637, 22.7206

## Achromatomaly

22.8059, 20.4713, 12.6469

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.2884, 24.1067, 4.0215 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, 94, 30)` looks like.

```
.text, #text, p{  
    color:rgb(225, 94, 30)  
}
```

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, 94, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 94, 30) }
```

## Border

The CSS property to change the border of an element to XYZ 35.2884, 24.1067, 4.0215 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, 94, 30) }
```



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

```
.border{ border-color:rgb(225, 94, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 94, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 94, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 94, 30);  
box-shadow:4px 4px 4px 4px rgb(225, 94,  
30) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.2884, 24.1067, 4.0215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 94, 30) }
```

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

```
.background{ background-color: rgb(225, 94,  
30) }
```

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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