

# Converting Colors

XYZ(35.5973, 24.3433, 5.9142)

Have a look what the booklet for  
XYZ(35.5973, 24.3433, 5.9142)  
contains.

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# Color

**XYZ(35.7411, 24.4310,  
5.9639)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E15F33
RGB	225, 95, 51
RGB Percent	88%, 37%, 20%
CMY	0.1176, 0.6274, 0.8000
CMYK	0.00, 0.58, 0.77, 0.12
HSL	15°, 74%, 54%
HSV	15°, 77%, 88%
XYZ	35.7411, 24.4310, 5.9639
YIQ	128.8540, 91.6040, 13.8760

# Conversions

## Conversions Part 2

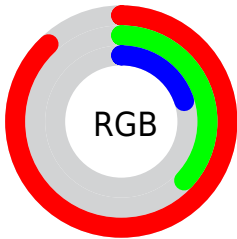
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	225, 110, 51
Decimal	14769971
CIE Lab	56.52, 48.32, 49.07
CIE LCh	57, 68.872, 45.443
Yxy	24.4310, 0.5404, 0.3694
Android (android.graphics.Color)	4292960051 (0xFFE15F33)
YUV	128.8540, -38.3820, 84.3200
Hunter-Lab	49.4277, 42.5745, 27.4455

# Details

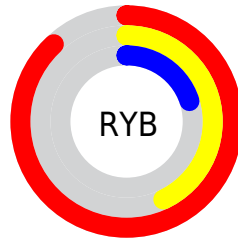
The XYZ color **35.7411, 24.4310, 5.9639** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark washed red. A complement of this color would be **31.4783, 39.1849, 77.1380**, and the grayscale version is **20.9237, 22.0134, 23.9726**.

A 20% lighter version of the original color is **54.2877, 43.6750, 17.6254**, and **15.6932, 9.2673, 0.9616** is the 20% darker color. If you saturate the color by 10%, you get **34.0053, 21.5708, 3.5017**, and if you desaturate by 10%, it is **38.0445, 28.0433, 9.7986**.

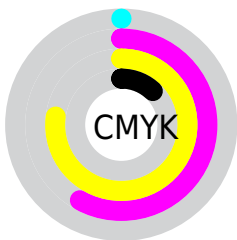
# Distribution



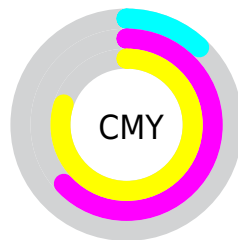
- Red (88%)
- Green (37%)
- Blue (20%)



- Red (88%)
- Yellow (43%)
- Blue (20%)



- Cyan (0%)
- Magenta (58%)
- Yellow (77%)
- Black (12%)




- Cyan (12%)
- Magenta (63%)
- Yellow (80%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.7411, 24.4310, 5.9639 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 35.7411, 24.4310, 5.9639 by changing the saturation by 10% instead.



 35.7411, 24.4310,  
5.9639


 35.7411, 24.4310,  
5.9639


319.2785,  
274.9923, 168.0434

 24.4035, 15.6536,  
2.7547


 67.9588, 50.7326,  
18.3323


 15.7596, 9.2794,  
0.9708


 89.5695, 69.0257,  
28.3286

 9.4439, 4.9239,  
0.0000


 115.3354, 91.2594,  
41.4243

 5.0913, 2.2027,  
0.0000

 145.6217,  
117.8182, 58.0380

 2.3362, 0.7214,  
0.0000

 180.7938,  
149.0866, 78.5882

 0.8131, 0.0000,  
0.0000

 221.2171,

 0.0000, 0.0000,

185.4487, 103.4935

0.0000

267.2569,  
227.2892, 133.1724

■ 35.7411, 24.4310,  
5.9639

■ 35.7411, 24.4310,  
5.9639

■ 34.0053, 21.5708,  
3.5017

■ 38.0445, 28.0433,  
9.7986

■ 32.7736, 19.3998,  
2.1895


■ 40.9637, 32.4544,  
15.1720


■ 32.5096, 18.9244,  
1.9393


■ 44.5432, 37.7118,  
22.2277


■ 48.8226, 43.8579,  
31.0921

■ 53.8382, 50.9321,  
41.8797

 59.6236, 58.9714,  
54.6953

 66.2104, 68.0108,  
69.6361

 73.6283, 78.0835,  
86.7932

 81.9055, 89.2210,  
106.2521

# Harmonies

## Analogous

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



41.3809, 24.4310, 16.5289



35.7411, 24.4310, 5.9639



27.2966, 24.4310, 2.7065

# Triad

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



35.7411, 24.4310, 5.9639



11.3075, 24.4310, 17.0113



27.5526, 24.4310, 95.4535

# Complementary

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



35.7411, 24.4310, 5.9639



31.4783, 39.1849, 77.1380

# 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.



19.5726, 24.4310, 95.8662



35.7411, 24.4310, 5.9639



11.3455, 24.4310, 40.1073

# Square

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



35.7411, 24.4310, 5.9639



13.9110, 24.4310, 6.1429



14.0306, 24.4310, 71.8276



35.9651, 24.4310, 70.9002



# Rectangle

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



35.7411, 24.4310, 5.9639



21.7953, 24.4310, 2.4506



14.0306, 24.4310, 71.8276



24.7075, 24.4310, 98.7459

# Sweetspot

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



35.7416, 24.4324, 5.9643



74.5836, 71.9412, 62.3887



40.6269, 21.7320, 46.0389



15.3872, 14.5939, 12.0854



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.



35.7416, 24.4324, 5.9643



44.0602, 26.7276, 3.4026



48.2744, 49.4979, 10.1419



13.9875, 14.2610, 14.3222



18.8126, 11.0631, 1.1439



1.3748, 0.9085, 0.1029



# Inverse Universe

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



31.4783, 39.1849, 77.1380



37.8166, 46.3869, 101.5682



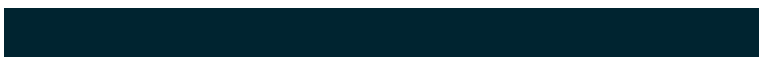
19.0033, 14.2349, 72.9797



13.8077, 14.9546, 17.5465



16.0084, 19.4863, 43.9659



1.1797, 1.4908, 3.0708



# Previews

## White Background



This preview shows how the XYZ color 35.7411, 24.4310, 5.9639 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 35.7411, 24.4310, 5.9639 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 35.7411, 24.4310, 5.9639**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.7411, 24.4310, 5.9639.



This preview shows how white text looks on a background with the XYZ color 35.7411, 24.4310,



# 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

35.7411, 24.4310, 5.9639

### Protanopia

22.4639, 24.5465, 8.2566

### Deuteranopia

25.0451, 24.5185, 5.5104



## Tritanopia

37.4460, 24.4878, 13.8193

# Trichromacy



## Original Color

35.7411, 24.4310, 5.9639

## Protanomaly

25.9869, 23.4555, 7.2954

## Deuteranomaly

28.3208, 23.9884, 5.6202

## Tritanomaly

36.6391, 24.4022, 10.3684

# Monochromacy



## Original Color

35.7411, 24.4310, 5.9639

## Achromatopsia

20.8660, 21.9526, 23.9064

## Achromatomaly

24.0201, 21.5547, 15.2064

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.7411, 24.4310, 5.9639 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, 95, 51)` looks like.

```
.text, #text, p{  
    color:rgb(225, 95, 51)  
}
```

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, 95, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 95, 51) }
```

## Border

The CSS property to change the border of an element to XYZ 35.7411, 24.4310, 5.9639 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, 95, 51) }
```



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

```
.border{ border-color:rgb(225, 95, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 95, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 95, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 95, 51);  
box-shadow:4px 4px 4px 4px rgb(225, 95,  
51) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.7411, 24.4310, 5.9639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 95, 51) }
```

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

```
.background{ background-color: rgb(225, 95,  
51) }
```

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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