

# Converting Colors

XYZ(36.3330, 23.9497, 8.1944)

Have a look what the booklet for  
XYZ(36.3330, 23.9497, 8.1944)  
contains.

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# Color

**XYZ(36.2943, 23.8930,  
8.1677)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E35944
RGB	227, 89, 68
RGB Percent	89%, 35%, 27%
CMY	0.1098, 0.6509, 0.7333
CMYK	0.00, 0.61, 0.70, 0.11
HSL	8°, 74%, 58%
HSV	8°, 70%, 89%
XYZ	36.2943, 23.8930, 8.1677
YIQ	127.8680, 88.9890, 22.7250

# Conversions

## Conversions Part 2

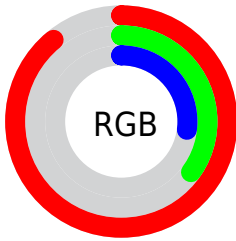
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	227, 92, 68
Decimal	14899524
CIE <sub>Lab</sub>	55.98, 52.49, 39.76
CIE <sub>LCh</sub>	56, 65.843, 37.143
Yxy	23.8930, 0.5310, 0.3495
Android (android.graphics.Color)	4293089604 (0xFFE35944)
YUV	127.8680, -29.5149, 86.9388
Hunter-Lab	48.8805, 46.9975, 24.3092

# Details

The XYZ color **36.2943, 23.8930, 8.1677** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **38.3182, 50.9134, 80.4802**, and the grayscale version is **20.5505, 21.6207, 23.5450**.

A 20% lighter version of the original color is **54.4241, 42.4909, 22.1627**, and **16.1617, 9.0412, 1.7039** is the 20% darker color. If you saturate the color by 10%, you get **34.3049, 20.8168, 4.7231**, and if you desaturate by 10%, it is **38.9915, 27.9563, 13.1710**.

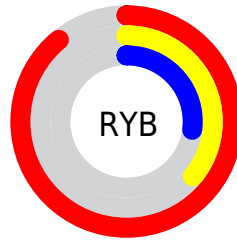
# Distribution



Red (89%)

Green (35%)

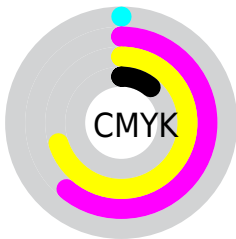
Blue (27%)



Red (89%)

Yellow (36%)

Blue (27%)

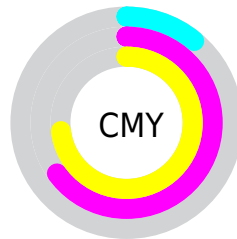


Cyan (0%)

Magenta (61%)

Yellow (70%)

Black (11%)



Cyan (11%)

Magenta (65%)


Yellow (73%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.2943, 23.8930, 8.1677 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 36.2943, 23.8930, 8.1677 by changing the saturation by 10% instead.





 36.2943, 23.8930,  
8.1677


 36.2943, 23.8930,  
8.1677


321.6539,  
272.2791, 187.0250


 24.8327, 15.2543,  
4.1131


 68.8070, 49.8555,  
22.8381

 16.0805, 8.9980,  
1.6876


 90.5888, 67.9481,  
34.2911


 9.6724, 4.7399,  
0.3522


 116.5414, 89.9608,  
49.0472

 5.2429, 2.0955,  
0.0000

 147.0302,  
116.2779, 67.5251

 2.4267, 0.6621,  
0.0000

 182.4205,  
147.2839, 90.1433

 0.8584, 0.0000,  
0.0000

223.0776,

 0.0000, 0.0000,

183.3632, 117.3203

0.0000

269.3670,  
224.9001, 149.4747

■ 36.2943, 23.8930,  
8.1677

■ 36.2943, 23.8930,  
8.1677

■ 34.3049, 20.8168,  
4.7231

■ 38.9915, 27.9563,  
13.1710

■ 32.9529, 18.6388,  
2.6506


■ 42.4543, 33.0776,  
19.8883


■ 32.1424, 17.2590,  
1.6372


■ 46.7367, 39.3258,  
28.4574


■ 51.8869, 46.7627,  
39.0016

■ 57.9494, 55.4459,  
51.6336

 64.9659, 65.4288,  
66.4578

 72.9751, 76.7621,  
83.5713

 82.0139, 89.4936,  
103.0656

 85.4883, 95.0708,  
108.4525

# Harmonies

## Analogous

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



40.2884, 23.8930, 21.1991



36.2943, 23.8930, 8.1677



28.8014, 23.8930, 3.4737

# Triad

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



36.2943, 23.8930, 8.1677



11.8223, 23.8930, 13.0183



24.5551, 23.8930, 92.5252

# Complementary

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



36.2943, 23.8930, 8.1677



38.3182, 50.9134, 80.4802

# 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.



17.5437, 23.8930, 85.8644



36.2943, 23.8930, 8.1677



11.1724, 23.8930, 31.5110

# Square

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



36.2943, 23.8930, 8.1677



15.0506, 23.8930, 4.9997



13.0242, 23.8930, 59.8813



32.6058, 23.8930, 74.9496



# Rectangle

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



36.2943, 23.8930, 8.1677



23.4380, 23.8930, 2.7030



13.0242, 23.8930, 59.8813



21.9964, 23.8930, 93.1553

# Sweetspot

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



36.2948, 23.8944, 8.1681



74.5198, 70.8666, 65.2873



45.1861, 25.0413, 62.4167



15.4627, 14.4712, 12.9543



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.



36.2948, 23.8944, 8.1681



43.7711, 25.6874, 4.7307



46.3670, 44.0387, 11.5255



14.5297, 14.6734, 14.9709



18.7932, 10.1605, 0.9707



1.4384, 0.8501, 0.0883

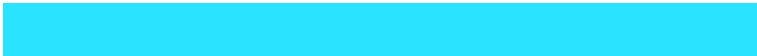


# Inverse Universe

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



38.3182, 50.9134, 80.4802



46.3432, 62.4607, 104.2213



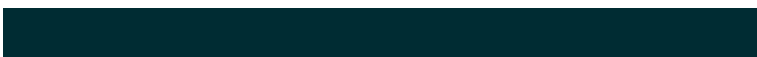
24.0927, 22.4624, 75.7384



14.6365, 15.9944, 18.4601



19.7935, 26.6490, 46.4837

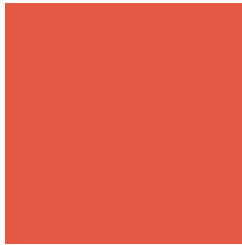


1.5080, 2.0599, 3.4501



# Previews

## White Background



This preview shows how the XYZ color 36.2943, 23.8930, 8.1677 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 36.2943, 23.8930, 8.1677 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 36.2943, 23.8930, 8.1677**

## **Background**



This preview shows how black text looks on a background with the XYZ color 36.2943, 23.8930, 8.1677.



This preview shows how white text looks on a background with the XYZ color 36.2943, 23.8930,

8.1677.

# 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

36.2943, 23.8930, 8.1677

### Protanopia

22.2968, 24.1711, 11.8778

### Deuteranopia

24.4711, 23.9801, 7.6138



## Tritanopia

37.2110, 23.9049, 12.5504

# Trichromacy



## Original Color

36.2943, 23.8930, 8.1677

## Protanomaly

25.7581, 22.7370, 10.2388

## Deuteranomaly

27.9008, 23.2123, 7.7125

## Tritanomaly

36.9644, 23.9349, 10.8553

# Monochromacy



## Original Color

36.2943, 23.8930, 8.1677

## Achromatopsia

20.5175, 21.5861, 23.5072

## Achromatomaly

23.9287, 20.9677, 16.4217

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.2943, 23.8930, 8.1677 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(227, 89, 68)` looks like.

```
.text, #text, p{  
    color:rgb(227, 89, 68)  
}
```

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(227, 89, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 89, 68) }
```

## Border

The CSS property to change the border of an element to XYZ 36.2943, 23.8930, 8.1677 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(227, 89, 68) }
```



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

```
.border{ border-color:rgb(227, 89, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 89, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 89, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 89, 68);  
box-shadow:4px 4px 4px 4px rgb(227, 89,  
68) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.2943, 23.8930, 8.1677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 89, 68) }
```

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

```
.background{ background-color: rgb(227, 89,  
68) }
```

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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