

Converting Colors

XYZ(12.2051, 8.9309, 3.0359)

Have a look what the booklet for
XYZ(12.2051, 8.9309, 3.0359)
contains.

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Color

**XYZ(12.1913, 8.9642,
3.0072)**

Conversions

Conversions Part 1

Format	Color
Hex	874027
RGB	135, 64, 39
RGB Percent	53%, 25%, 15%
CMY	0.4706, 0.7490, 0.8471
CMYK	0.00, 0.53, 0.71, 0.47
HSL	16°, 55%, 34%
HSV	16°, 71%, 53%
XYZ	12.1913, 8.9642, 3.0072
YIQ	82.3790, 50.3410, 7.2770

Conversions

Conversions Part 2

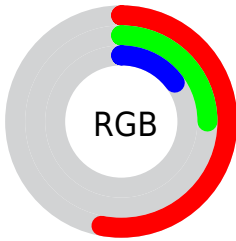
Format	Color
R_{YB}	135, 73, 39
Decimal	8863783
CIE Lab	35.92, 28.39, 29.05
CIE LCh	36, 40.619, 45.667
Yxy	8.9642, 0.5046, 0.3710
Android (android.graphics.Color)	4287053863 (0xFF874027)
YUV	82.3790, -21.3858, 46.1486
Hunter-Lab	29.9403, 20.2875, 15.0031

Details

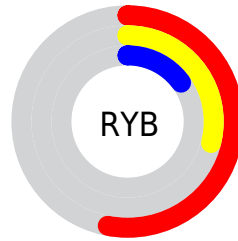
The XYZ color **12.1913, 8.9642, 3.0072** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **10.7854, 13.3316, 24.9263**, and the grayscale version is **8.1312, 8.5547, 9.3160**.

A 20% lighter version of the original color is **29.5371, 23.8036, 11.6321**, and **3.5087, 2.1064, 0.2216** is the 20% darker color. If you saturate the color by 10%, you get **11.4927, 7.8635, 1.8604**, and if you desaturate by 10%, it is **13.0708, 10.2994, 4.6074**.

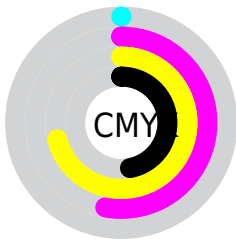
Distribution



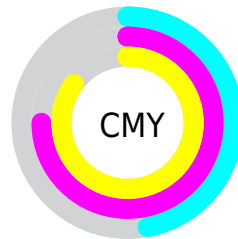
- Red (53%)
- Green (25%)
- Blue (15%)



- Red (53%)
- Yellow (29%)
- Blue (15%)



- Cyan (0%)
- Magenta (53%)
- Yellow (71%)
- Black (47%)



- Cyan (47%)
- Magenta (75%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1913, 8.9642, 3.0072 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 12.1913, 8.9642, 3.0072 by changing the saturation by 10% instead.

■ 12.1913, 8.9642,
3.0072

■ 12.1913, 8.9642,
3.0072

199.4118,
183.1106, 136.4523

■ 6.9472, 4.7178,
1.0983

■ 29.4569, 23.8281,
11.6462

■ 3.4752, 2.0827,
0.0000

■ 42.2091, 35.2144,
19.2134

■ 1.4097, 0.6549,
0.0000

■ 58.1948, 49.7495,
29.5038

■ 0.2631, 0.0000,
0.0000

■ 77.7792, 67.8178,
42.9359

■ 0.0000, 0.0000,
0.0000

■ 101.3277, 89.8037,
59.9282

■ 129.2058,

116.0915, 80.8994

161.7787,
147.0657, 106.2679

12.1913, 8.9642,
3.0072

12.1913, 8.9642,
3.0072

11.4927, 7.8635,
1.8604

13.0708, 10.2994,
4.6074

10.9601, 6.9815,
1.1178

14.1432, 11.8806,
6.7022

10.5974, 6.3625,
0.6695

15.4200, 13.7203,
9.3287

16.9117, 15.8297,
12.5203

18.6280, 18.2194,
16.3076

■ 20.5779, 20.8991,
20.7190

■ 22.7700, 23.8784,
25.7811

■ 25.2125, 27.1662,
31.5189

■ 27.9130, 30.7711,
37.9562

Harmonies

Analogous

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



13.8139, 8.9642, 6.5940



12.1913, 8.9642, 3.0072



9.7212, 8.9642, 1.7171

Triad

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



12.1913, 8.9642, 3.0072



4.7691, 8.9642, 6.8266



9.8355, 8.9642, 28.9592

Complementary

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



12.1913, 8.9642, 3.0072



10.7854, 13.3316, 24.9263

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.



7.4224, 8.9642, 29.1248



12.1913, 8.9642, 3.0072



4.7881, 8.9642, 13.8064

Square

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



12.1913, 8.9642, 3.0072



5.6137, 8.9642, 3.1081



5.6717, 8.9642, 22.6841



12.2885, 8.9642, 22.3026

Rectangle

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



12.1913, 8.9642, 3.0072



8.0702, 8.9642, 1.6099



5.6717, 8.9642, 22.6841



8.9866, 8.9642, 29.8535

Sweetspot

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



12.1915, 8.9647, 3.0074



33.2415, 32.4646, 28.9406



13.5864, 7.7497, 15.8187



7.5212, 7.2729, 6.3078



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



12.1915, 8.9647, 3.0074



19.9943, 13.1211, 2.4792



16.0423, 16.6662, 4.2909



4.7640, 4.8715, 4.9186



9.7820, 5.8866, 0.6207



0.0391, 0.0309, 0.0039

Inverse Universe

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



10.7854, 13.3316, 24.9263



17.2128, 21.2478, 44.2424



6.9874, 5.7357, 23.6604



4.7017, 5.0791, 5.9333



8.2317, 10.0112, 22.6352



0.0344, 0.0465, 0.0804

Previews

White Background



This preview shows how the XYZ color 12.1913, 8.9642, 3.0072 looks on a white background.

Color Contrast Check

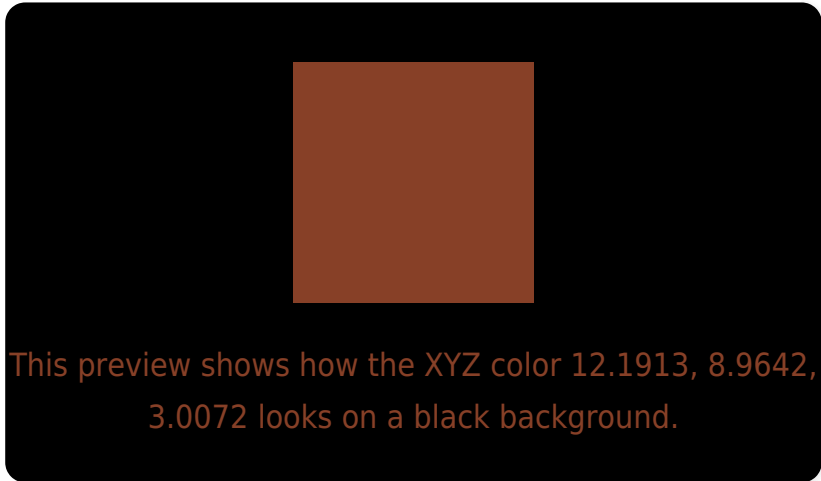
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

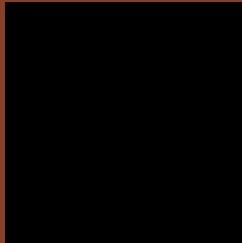
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.1913, 8.9642, 3.0072

Background



This preview shows how black text looks on a background with the XYZ color 12.1913, 8.9642, 3.0072.



This preview shows how white text looks on a background with the XYZ color 12.1913, 8.9642,

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

12.1913, 8.9642, 3.0072

Protanopia

8.3577, 9.0739, 3.8957

Deuteranopia

9.1897, 9.0704, 2.8565



Tritanopia

12.7762, 8.9534, 6.0558

Trichromacy



Original Color

12.1913, 8.9642, 3.0072

Protanomaly

9.3966, 8.7334, 3.4760

Deuteranomaly

10.1706, 8.9414, 2.8589

Tritanomaly

12.5898, 8.9650, 4.8082

Monochromacy



Original Color

12.1913, 8.9642, 3.0072

Achromatopsia

8.0200, 8.4376, 9.1886

Achromatomaly

8.8663, 8.1922, 6.2682

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1913, 8.9642, 3.0072 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(135, 64, 39)` looks like.

```
.text, #text, p{  
    color:rgb(135, 64, 39)  
}
```

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(135, 64, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 64, 39) }
```

Border

The CSS property to change the border of an element to XYZ 12.1913, 8.9642, 3.0072 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(135, 64, 39) }
```


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

```
.border{ border-color:rgb(135, 64, 39) }
```

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

Here you see how a box with a 4 pixel rgb(135, 64, 39) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 64, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 64, 39);  
box-shadow:4px 4px 4px 4px rgb(135, 64,  
39) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1913, 8.9642, 3.0072 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 64, 39) }
```

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

```
.background{ background-color: rgb(135, 64,  
39) }
```

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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