Converting Colors

XYZ(8.1043, 4.1754, 0.4916)

Have a look what the booklet for XYZ(8.1043, 4.1754, 0.4916) contains.

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Color

XYZ(8.0480, 4.1463, 0.4910)

Conversions

Conversions Part 1

Format	Color
Hex	7A0004
RGB	122, 0, 4
RGB Percent	48%, 0%, 2%
CMY	0.5216, 1.0000, 0.9843
CMYK	0.00, 1.00, 0.97, 0.52
HSL	358°, 100%, 24%
HSV	358°, 100%, 48%
XYZ	8.0480, 4.1463, 0.4910
YIQ	36.9340, 71.4280, 27.1080

Conversions

Conversions Part 2

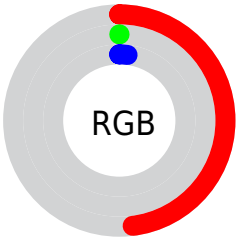
Format	Color
RYB	122, 0, 4
Decimal	7995396
CIELab	24.15, 46.50, 34.61
CIELCh	24, 57.971, 36.662
Yxy	4.1463, 0.6344, 0.3269
Android (android.graphics.Color)	4286185476 (0xFF7A0004)
YUV	36.9340, -16.2365, 74.6029
Hunter-Lab	20.3625, 34.9155, 12.8241

Details

The XYZ color 8.0480, 4.1463, 0.4910 is a dark color, and the websafe version is hex 660000. A complement of this color would be 10.2303, 15.2274, 19.5426, and the grayscale version is 1.7622, 1.8540, 2.0190.

A 20% lighter version of the original color is 21.7361, 13.9474, 4.4522, and 2.1144, 1.0900, 0.0990 is the 20% darker color. If you saturate the color by 10%, you get 8.0479, 4.1463, 0.4907, and if you desaturate by 10%, it is 8.2521, 4.4425, 0.9050.

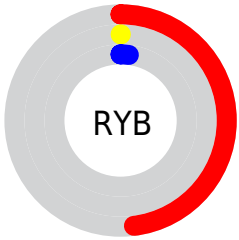
Distribution



Red (48%)

Green (0%)

Blue (2%)



Red (48%)

Yellow (0%)

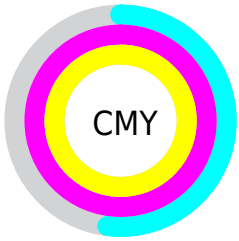
Blue (2%)

Cyan (0%)

Magenta (100%)

Yellow (97%)

Black (52%)



Cyan (52%)

Magenta (100%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.0480, 4.1463, 0.4910 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 8.0480, 4.1463, 0.4910 by changing the saturation by 10% instead.

8.0480, 4.1463, 0.4910

8.0480, 4.1463, 0.4910

170.4700, 141.2381, 93.0320

4.1777, 1.7557, 0.0000

21.7370, 13.9418, 4.4890

1.8032, 0.4594, 0.0000

32.2865, 22.1155, 8.7580

0.5196, 0.0000, 0.0000

45.7930, 32.9857, 15.1228

0.0000, 0.0000, 0.0000

62.6221, 46.9368, 24.0018

83.1389, 64.3532, 35.8137

107.7090, 85.6193,

50.9771

136.6975, 111.1194, 69.9103

8.0480, 4.1463, 0.4910

8.0479, 4.1463, 0.4907

8.0480, 4.1463, 0.4910

8.2521, 4.4425, 0.9050

8.5661, 4.8898, 1.5662

9.0485, 5.5857, 2.5559

9.7185, 6.5592, 3.9094

10.5927, 7.8351, 5.6574

11.6858, 9.4357, 7.8272

13.0112, 11.3810, 10.4438

14.5813, 13.6897, 13.5303

16.4074, 16.3788, 17.1082

Harmonies

Analogous

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

9.3285, 4.1463, 3.3225

8.0480, 4.1463, 0.4910

5.7273, 4.1463, 0.0000

Triad

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

8.0480, 4.1463, 0.4910

1.3083, 4.1463, 1.3471

4.4185, 4.1463, 27.7492

Complementary

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

8.0480, 4.1463, 0.4910

10.2303, 15.2274, 19.5426

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.

2.5710, 4.1463, 24.9893

8.0480, 4.1463, 0.4910

1.1709, 4.1463, 5.9624

Square

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

8.0480, 4.1463, 0.4910

2.0177, 4.1463, 0.0000

1.5412, 4.1463, 15.2378

6.8102, 4.1463, 21.0939

Rectangle

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

8.0480, 4.1463, 0.4910

4.1761, 4.1463, 0.0000

1.5412, 4.1463, 15.2378

3.7148, 4.1463, 27.9421

Sweetspot

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

8.0481, 4.1466, 0.4911

22.7057, 19.7510, 18.0096

10.9752, 5.2523, 18.8477

5.0038, 4.2402, 3.7475

59.0181, 62.0916, 67.6177

7.4413, 7.8288, 8.5256

Same Dimension

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

8.0481, 4.1466, 0.4911

14.1486, 7.2906, 0.8100

9.4862, 7.0578, 0.8626

4.0031, 4.0170, 4.2141

8.4725, 4.3652, 0.5134

40.3533, 20.7977, 2.1246

Inverse Universe

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

8.0481, 4.1466, 0.4911

14.1486, 7.2906, 0.8100

5.4074, 5.1940, 19.1300

4.0031, 4.0170, 4.2141

8.4725, 4.3652, 0.5134

40.3533, 20.7977, 2.1246

Previews

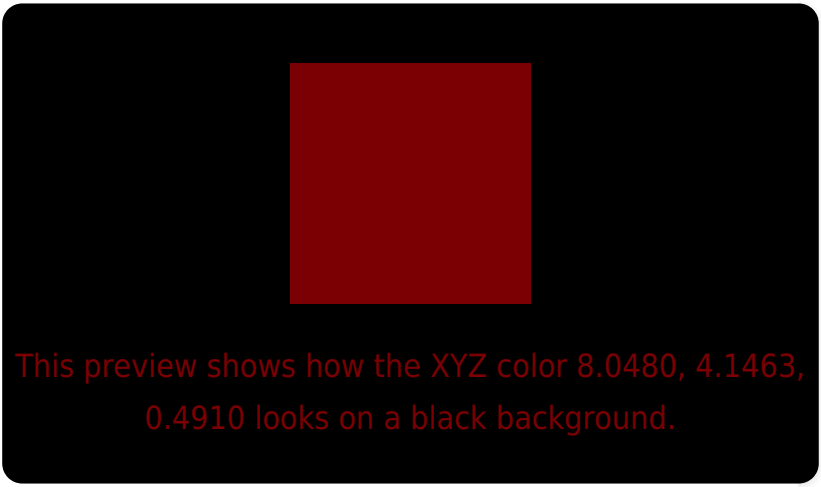
White Background

This preview shows how the XYZ color 8.0480, 4.1463, 0.4910 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

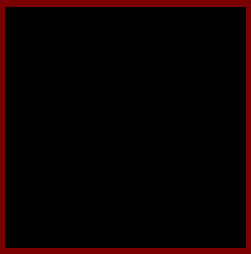


Color Contrast Check

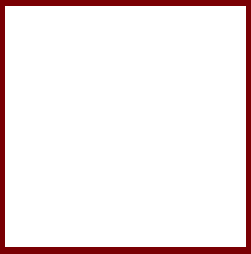
Large Text (above 18pt) WCAG AA × Fail
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the Color Contrast Checker.

XYZ 8.0480, 4.1463, 0.4910 Background



This preview shows how black text looks on a background with the XYZ color 8.0480, 4.1463, 0.4910.

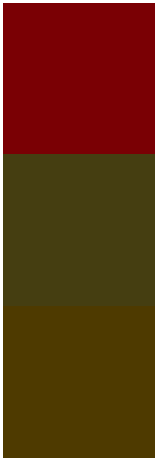


This preview shows how white text looks on a background with the XYZ color 8.0480, 4.1463, 0.4910.

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



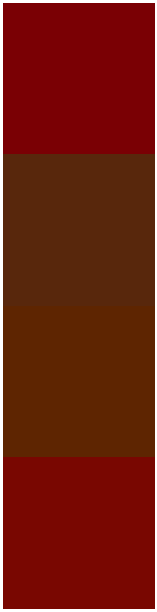
Original Color
8.0480, 4.1463, 0.4910

Protanopia
4.2780, 4.7509, 1.2219

Deuteranopia
4.6549, 4.6458, 0.6514

Tritanopia
8.0048, 4.3043, 0.4089

Trichromacy



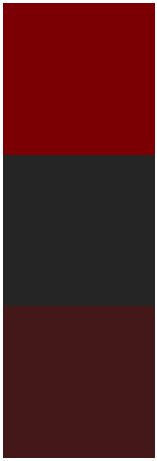
Original Color
8.0480, 4.1463, 0.4910

Protanomaly
4.8164, 3.5523, 0.7796

Deuteranomaly
5.2831, 3.7050, 0.4654

Tritanomaly
7.9666, 4.2191, 0.4232

Monochromacy



Original Color
8.0480, 4.1463, 0.4910

Achromatopsia
1.7584, 1.8500, 2.0147

Achromatomaly
2.8860, 1.9524, 1.1444

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.0480, 4.1463, 0.4910 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(122, 0, 4) looks like.

```
.text, #text, p{
    color:rgb(122, 0, 4)
}
```

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(122, 0, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 0, 4) }
```

Border

The CSS property to change the border of an element to XYZ 8.0480, 4.1463, 0.4910 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(122, 0, 4) }
```

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

```
.border{ border-color:rgb(122, 0, 4) }
```

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

Here you see how a box with a 4 pixel rgb(122, 0, 4) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(122, 0, 4); -webkit-box-shadow:4px 4px 4px 4px rgb(122, 0, 4); box-shadow:4px 4px 4px 4px rgb(122, 0, 4) }
```

Background

The CSS property to change the background color of an element to XYZ 8.0480, 4.1463, 0.4910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(122, 0, 4) }
```

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

```
.background{ background-color:rgb(122, 0,
4) }
```

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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