

Converting Colors

XYZ(8.6597, 4.6605, 0.8200)

Have a look what the booklet for
XYZ(8.6597, 4.6605, 0.8200)
contains.

XYZ(8.6740, 4.6769, 0.8263)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

XYZ(8.6740, 4.6769, 0.8263)

Conversions

Conversions Part 1

Format	Color
Hex	7D0D0D
RGB	125, 13, 13
RGB Percent	49%, 5%, 5%
CMY	0.5098, 0.9490, 0.9490
CMYK	0.00, 0.90, 0.90, 0.51
HSL	0°, 81%, 27%
HSV	0°, 90%, 49%
XYZ	8.6740, 4.6769, 0.8263
YIQ	46.4880, 66.7520, 23.7440

Conversions

Conversions Part 2

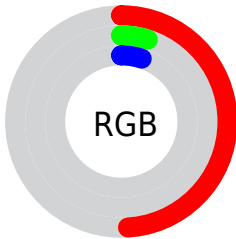
Format	Color
RYB	125, 13, 13
Decimal	8195341
CIELab	25.79, 44.97, 32.65
CIElCh	26, 55.571, 35.986
Yxy	4.6769, 0.6118, 0.3299
Android (android.graphics.Color)	4286385421 (0xFF7D0D0D)
YUV	46.4880, -16.5096, 68.8550
Hunter-Lab	21.6261, 33.7486, 12.8729

Details

The XYZ color **8.6740, 4.6769, 0.8263** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **11.1993, 16.2295, 21.9442**, and the grayscale version is **2.6604, 2.7990, 3.0481**.

A 20% lighter version of the original color is **22.9746, 15.1063, 5.4463**, and **2.3147, 1.1933, 0.1083** is the 20% darker color. If you saturate the color by 10%, you get **8.4657, 4.3722, 0.4121**, and if you desaturate by 10%, it is **8.9969, 5.1497, 1.4680**.

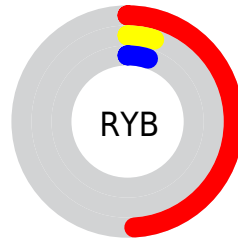
Distribution



Red (49%)

Green (5%)

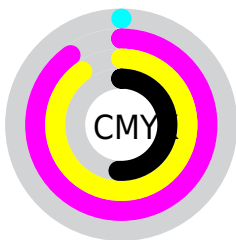
Blue (5%)



Red (49%)

Yellow (5%)

Blue (5%)

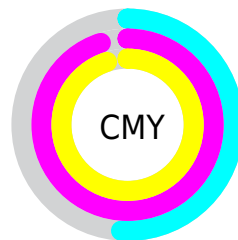


Cyan (0%)

Magenta (90%)

Yellow (90%)

Black (51%)



Cyan (51%)


Magenta (95%)


Yellow (95%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 8.6740, 4.6769, 0.8263 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 8.6740, 4.6769, 0.8263 by changing the saturation by 10% instead.


 8.6740, 4.6769,
0.8263


 8.6740, 4.6769,
0.8263


 175.1860,
146.6594, 100.2647


 4.5846, 2.0590,
0.0000

 22.9425, 15.1167,
5.4902


 2.0379, 0.6414,
0.0000


 33.8523, 23.7074,
10.3002

 0.6551, 0.0000,
0.0000

 47.7663, 35.0579,
17.3223

 0.0000, 0.0000,
0.0000

 65.0498, 49.5524,
26.9751

 86.0681, 67.5754,
39.6773

 111.1867, 89.5113,

55.8472

■ 140.7709,
115.7445, 75.9035

■ 8.6740, 4.6769,
0.8263

■ 8.6740, 4.6769,
0.8263

■ 8.4657, 4.3722,
0.4121

■ 8.9969, 5.1497,
1.4680

■ 8.4575, 4.3603,
0.3959

■ 9.5007, 5.8868,
2.4692

■ 10.2064, 6.9195,
3.8721

■ 11.1324, 8.2746,
5.7129

■ 12.2950, 9.9758,
8.0240

■ 13.7088, 12.0446,
10.8346

■ 15.3873, 14.5007,
14.1715

■ 17.3431, 17.3625,
18.0597

■ 19.5879, 20.6472,
22.5225

Harmonies

Analogous

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



9.9202, 4.6769, 3.9599



8.6740, 4.6769, 0.8263



6.3384, 4.6769, 0.0000

Triad

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



8.6740, 4.6769, 0.8263



1.6469, 4.6769, 1.6451



4.8882, 4.6769, 28.0946

Complementary

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



8.6740, 4.6769, 0.8263



11.1993, 16.2295, 21.9442

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.



2.9725, 4.6769, 25.2157



8.6740, 4.6769, 0.8263



1.4807, 4.6769, 6.4225

Square

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



8.6740, 4.6769, 0.8263



2.4397, 4.6769, 0.0000



1.8783, 4.6769, 15.6260



7.3271, 4.6769, 21.8120

Rectangle

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



8.6740, 4.6769, 0.8263



4.7395, 4.6769, 0.0000



1.8783, 4.6769, 15.6260



4.1635, 4.6769, 28.2051

Sweetspot

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



8.6741, 4.6772, 0.8264



25.0969, 22.3703, 20.4908



12.3029, 6.1284, 19.9363



5.5360, 4.8358, 4.3177



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



8.6741, 4.6772, 0.8264



15.1455, 7.8081, 0.7089



10.6581, 8.6452, 1.4877



4.3278, 4.3443, 4.5306



8.8272, 4.5509, 0.4132



0.0000, 0.0000, 0.0000

Inverse Universe

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



11.1993, 16.2295, 21.9442



19.7577, 28.9093, 39.2831



5.9957, 5.8224, 20.2096



4.4464, 4.8868, 5.5222



11.5154, 16.8492, 22.8953



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 8.6740, 4.6769, 0.8263 looks on a white background.

Color Contrast Check

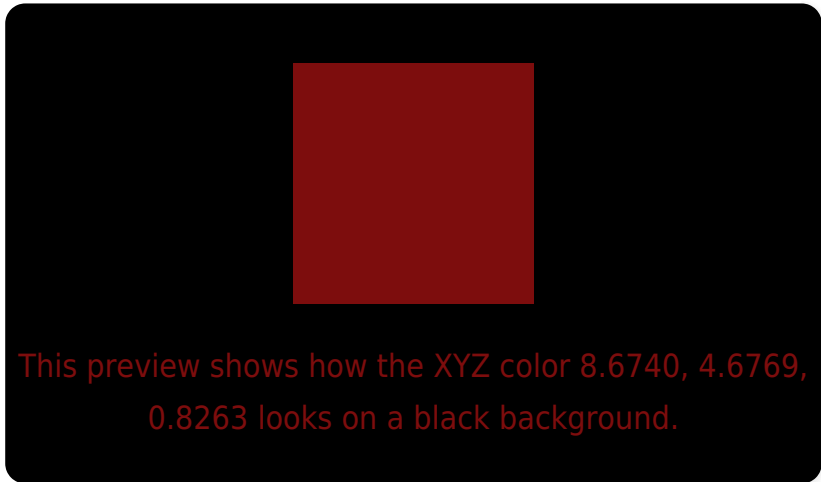
Large Text (above 18pt) WCAG AA ✓ Pass

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

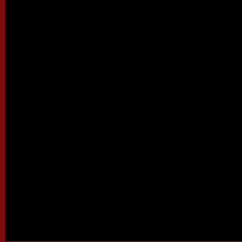
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 8.6740, 4.6769, 0.8263

Background



This preview shows how black text looks on a background with the XYZ color 8.6740, 4.6769, 0.8263.



This preview shows how white text looks on a background with the XYZ color 8.6740, 4.6769, 0.8263.

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

8.6740, 4.6769, 0.8263

Protanopia

4.5968, 5.0723, 1.6009

Deuteranopia

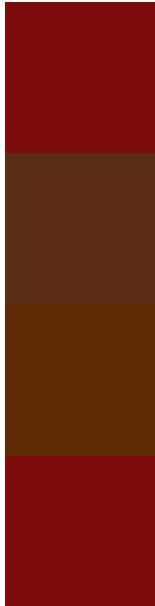
4.9770, 5.0430, 0.7111



Tritanopia

8.6507, 4.6675, 0.7034

Trichromacy



Original Color

8.6740, 4.6769, 0.8263

Protanomaly

5.3790, 4.1514, 1.1796

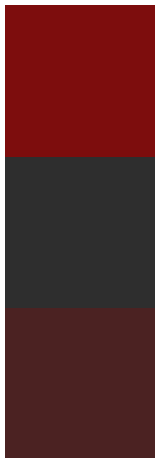
Deuteranomaly

5.7519, 4.2991, 0.6702

Tritanomaly

8.6562, 4.6697, 0.7323

Monochromacy



Original Color

8.6740, 4.6769, 0.8263

Achromatopsia

2.5969, 2.7321, 2.9752

Achromatomaly

3.7624, 2.7554, 1.8469

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.6740, 4.6769, 0.8263 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(125, 13, 13)` looks like.

```
.text, #text, p{  
    color:rgb(125, 13, 13)  
}
```

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(125, 13, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 13, 13) }
```

Border

The CSS property to change the border of an element to XYZ 8.6740, 4.6769, 0.8263 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(125, 13, 13) }
```

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

```
.border{ border-color:rgb(125, 13, 13) }
```

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

Here you see how a box with a 4 pixel rgb(125, 13, 13) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 13, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 13, 13);  
box-shadow:4px 4px 4px 4px rgb(125, 13,  
13) }
```


Background

The CSS property to change the background color of an element to XYZ 8.6740, 4.6769, 0.8263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 13, 13) }
```

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

```
.background{ background-color: rgb(125, 13,  
13) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor