

Converting Colors

XYZ(8.8113, 4.4169, 6.0820)

Have a look what the booklet for
XYZ(8.8113, 4.4169, 6.0820)
contains.

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Color

XYZ(8.8199, 4.4227, 6.0190)

Conversions

Conversions Part 1

Format	Color
Hex	780045
RGB	120, 0, 69
RGB Percent	47%, 0%, 27%
CMY	0.5294, 1.0000, 0.7294
CMYK	0.00, 1.00, 0.43, 0.53
HSL	326°, 100%, 24%
HSV	326°, 100%, 47%
XYZ	8.8199, 4.4227, 6.0190
YIQ	43.7460, 49.3710, 46.8990

Conversions

Conversions Part 2

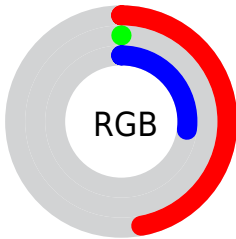
Format	Color
RYB	120, 0, 69
Decimal	7864389
CIELab	25.02, 49.55, -5.46
CIELCh	25, 49.846, 353.712
Yxy	4.4227, 0.4579, 0.2296
Android (android.graphics.Color)	4286054469 (0xFF780045)
YUV	43.7460, 12.4502, 66.8748
Hunter-Lab	21.0302, 38.0586, -2.2481

Details

The XYZ color **8.8199, 4.4227, 6.0190** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **7.3144, 13.6721, 5.3866**, and the grayscale version is **2.3542, 2.4768, 2.6972**.

A 20% lighter version of the original color is **23.1225, 14.5288, 18.4153**, and **2.4332, 1.2328, 1.0870** is the 20% darker color. If you saturate the color by 10%, you get **8.8198, 4.4227, 6.0184**, and if you desaturate by 10%, it is **9.1168, 4.7520, 6.9330**.

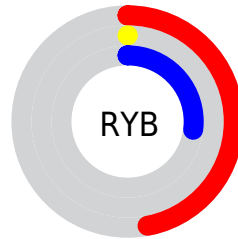
Distribution



Red (47%)

Green (0%)

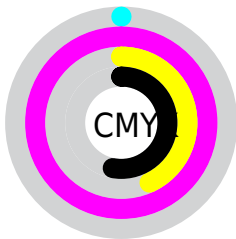
Blue (27%)



Red (47%)

Yellow (0%)

Blue (27%)

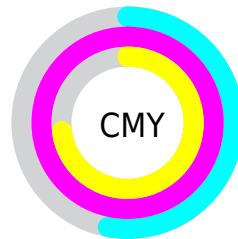


Cyan (0%)

Magenta (100%)

Yellow (43%)

Black (53%)



Cyan (53%)


Magenta (100%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 8.8199, 4.4227, 6.0190 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 8.8199, 4.4227, 6.0190 by changing the saturation by 10% instead.


 8.8199, 4.4227,
6.0190


 8.8199, 4.4227,
6.0190


176.2643,
144.0994, 168.5526


 4.6801, 1.9127,
2.7877

 23.2211, 14.5577,
18.4487


 2.0936, 0.5560,
0.9873


 34.2133, 22.9515,
28.4841

 0.6857, 0.0000,
0.0000

 48.2202, 34.0754,
41.6246

 0.0000, 0.0000,
0.0000

 65.6073, 48.3137,
58.2887

 86.7398, 66.0508,
78.8951

 111.9833, 87.6713,

103.8621

141.7030,
113.5593, 133.6085

8.8199, 4.4227,
6.0190

8.8199, 4.4227,
6.0190

8.8198, 4.4227,
6.0184

9.1168, 4.7520,
6.9330

9.4912, 5.2142,
7.9417

9.9890, 5.9002,
9.0619

10.6232, 6.8358,
10.2994

11.4051, 8.0430,
11.6595

■ 12.3448, 9.5415,
13.1470

■ 13.4514, 11.3490,
14.7663

■ 14.7333, 13.4821,
16.5215

■ 16.1983, 15.9558,
18.4167

Harmonies

Analogous

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



7.7696, 4.4227, 13.7042



8.8199, 4.4227, 6.0190



8.3709, 4.4227, 1.7720

Triad

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



8.8199, 4.4227, 6.0190



2.9300, 4.4227, 0.0000



2.4311, 4.4227, 18.5669

Complementary

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



8.8199, 4.4227, 6.0190



7.3144, 13.6721, 5.3866

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.



1.7166, 4.4227, 10.1798



8.8199, 4.4227, 6.0190



1.9399, 4.4227, 0.9537

Square

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



8.8199, 4.4227, 6.0190



4.6052, 4.4227, 0.0000



1.5677, 4.4227, 3.7843



3.8262, 4.4227, 23.6802

Rectangle

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



8.8199, 4.4227, 6.0190



7.3325, 4.4227, 0.6080



1.5677, 4.4227, 3.7843



2.1220, 4.4227, 15.8338

Sweetspot

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



8.8200, 4.4230, 6.0191



23.5035, 19.7054, 25.7515



4.7059, 2.0345, 17.9140



5.4064, 4.4013, 5.8676



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.



8.8200, 4.4230, 6.0191



15.4449, 7.7517, 10.2296



7.8007, 4.0152, 0.6513



4.0858, 4.0501, 4.6497



9.6147, 4.8220, 6.5279



45.4305, 22.8285, 28.8607

Inverse Universe

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



8.8200, 4.4230, 6.0191



15.4449, 7.7517, 10.2296



9.5311, 14.5588, 17.0599



4.0858, 4.0501, 4.6497



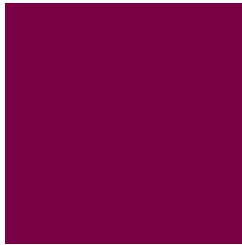
9.6147, 4.8220, 6.5279



45.4305, 22.8285, 28.8607

Previews

White Background



This preview shows how the XYZ color 8.8199, 4.4227, 6.0190 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



This preview shows how the XYZ color 8.8199, 4.4227, 6.0190 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

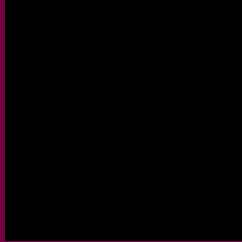
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 8.8199, 4.4227, 6.0190

Background



This preview shows how black text looks on a background with the XYZ color 8.8199, 4.4227, 6.0190.



This preview shows how white text looks on a background with the XYZ color 8.8199, 4.4227, 6.0190.

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

8.8199, 4.4227, 6.0190

Protanopia

5.2414, 4.9991, 12.4930

Deuteranopia

5.0484, 4.9729, 5.5443



Tritanopia

8.0727, 4.7193, 1.5840

Trichromacy



Original Color
8.8199, 4.4227, 6.0190

Protanomaly
5.3886, 3.6515, 9.6533

Deuteranomaly
5.7334, 3.9191, 5.6085

Tritanomaly
8.2442, 4.4973, 2.7190

Monochromacy



Original Color
8.8199, 4.4227, 6.0190

Achromatopsia
2.3940, 2.5187, 2.7428

Achromatomaly
3.7303, 2.4653, 3.6474

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.8199, 4.4227, 6.0190 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(120, 0, 69)` looks like.

```
.text, #text, p{  
    color:rgb(120, 0, 69)  
}
```

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(120, 0, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 0, 69) }
```

Border

The CSS property to change the border of an element to XYZ 8.8199, 4.4227, 6.0190 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(120, 0, 69) }
```

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

```
.border{ border-color:rgb(120, 0, 69) }
```

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

Here you see how a box with a 4 pixel rgb(120, 0, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 0, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 0, 69);  
box-shadow:4px 4px 4px 4px rgb(120, 0, 69)  
}
```


Background

The CSS property to change the background color of an element to XYZ 8.8199, 4.4227, 6.0190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 0, 69) }
```

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

```
.background{ background-color: rgb(120, 0,  
69) }
```

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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