

Converting Colors

XYZ(17.9088, 11.0535, 45.7320)

Have a look what the booklet for
XYZ(17.9088, 11.0535, 45.7320)
contains.

XYZ(17.9088, 11.0510, 45.9889)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(17.9088, 11.0510,
45.9889)**

Conversions

Conversions Part 1

Format	Color
Hex	7641B7
RGB	118, 65, 183
RGB Percent	46%, 25%, 72%
CMY	0.5372, 0.7451, 0.2824
CMYK	0.36, 0.64, 0.00, 0.28
HSL	267°, 48%, 49%
HSV	267°, 64%, 72%
XYZ	17.9088, 11.0510, 45.9889
YIQ	94.2990, -6.2900, 47.9340

Conversions

Conversions Part 2

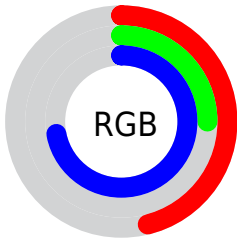
Format	Color
R_{YB}	118, 65, 183
Decimal	7750071
CIE _{Lab}	39.67, 46.71, -54.08
CIE _{LCh}	40, 71.458, 310.814
Yxy	11.0510, 0.2389, 0.1474
Android (android.graphics.Color)	4285940151 (0xFF7641B7)
YUV	94.2990, 43.7296, 20.7858
Hunter-Lab	33.2430, 37.9868, -58.7525

Details

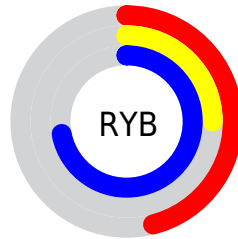
The XYZ color **17.9088, 11.0510, 45.9889** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **27.0933, 38.9944, 11.0998**, and the grayscale version is **10.6112, 11.1638, 12.1574**.

A 20% lighter version of the original color is **39.4291, 27.7807, 85.7221**, and **6.1563, 2.9296, 21.0099** is the 20% darker color. If you saturate the color by 10%, you get **15.7269, 8.6114, 45.6332**, and if you desaturate by 10%, it is **20.5783, 14.2472, 46.4654**.

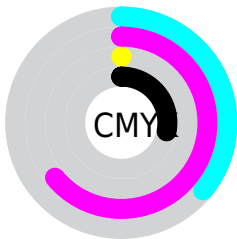
Distribution



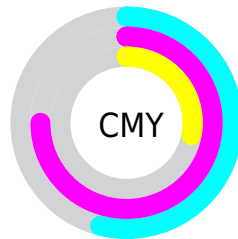
- Red (46%)
- Green (25%)
- Blue (72%)



- Red (46%)
- Yellow (25%)
- Blue (72%)



- Cyan (36%)
- Magenta (64%)
- Yellow (0%)
- Black (28%)



- Cyan (54%)
- Magenta (75%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.9088, 11.0510, 45.9889 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 17.9088, 11.0510, 45.9889 by changing the saturation by 10% instead.

■ 17.9088, 11.0510,
45.9889

■ 17.9088, 11.0510,
45.9889

233.4120,
198.0171, 387.0403

■ 10.9838, 6.1011,
31.8885

■ 39.4132, 27.7544,
85.5365

■ 6.1232, 2.9067,
21.0122

■ 54.7233, 40.2768,
111.8207

■ 2.9615, 1.0832,
12.9416

■ 73.5591, 56.0921,
143.0033

■ 1.1334, 0.0000,
7.2581

■ 96.2861, 75.5848,
179.5028

■ 0.0528, 0.0000,
3.5431

■ 123.2695, 99.1393,
221.7377

■ 0.0000, 0.0000,
1.3782

154.8747,

■ 0.0000, 0.0000,

127.1399, 270.1265

0.1246

191.4671,
159.9710, 325.0879

■ 0.0000, 0.0000,
0.0000

■ 17.9088, 11.0510,
45.9889

■ 17.9088, 11.0510,
45.9889

■ 15.7269, 8.6114,
45.6332

■ 20.5783, 14.2472,
46.4654

■ 13.9922, 6.8565,
45.3859

■ 23.7678, 18.2606,
47.0719

■ 12.6591, 5.7014,
45.2332

■ 27.5087, 23.1467,
47.8179

■ 12.0444, 5.2217,
45.1731

■ 31.8289, 28.9555,
48.7114

■ 36.7545, 35.7335,
49.7601

■ 42.3099, 43.5237,
50.9709

■ 48.5178, 52.3666,
52.3506

■ 55.4001, 62.3004,
53.9052

■ 62.9775, 73.3614,
55.6409

Harmonies

Analogous

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



12.3646, 11.0510, 62.4445



17.9088, 11.0510, 45.9889



22.0936, 11.0510, 23.2028

Triad

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



17.9088, 11.0510, 45.9889



13.8995, 11.0510, 0.0630



3.7194, 11.0510, 17.8124

Complementary

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



17.9088, 11.0510, 45.9889



27.0933, 38.9944, 11.0998

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.



3.8997, 11.0510, 5.1850



17.9088, 11.0510, 45.9889



8.8395, 11.0510, 0.0000

Square

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



17.9088, 11.0510, 45.9889



19.3274, 11.0510, 1.6279



5.4864, 11.0510, 1.0007



4.8817, 11.0510, 39.5344

Rectangle

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



17.9088, 11.0510, 45.9889



22.9588, 11.0510, 11.6549



5.4864, 11.0510, 1.0007



3.6370, 11.0510, 12.4185

Sweetspot

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



17.9093, 11.0514, 45.9892



61.4246, 57.9089, 88.1758



18.9606, 21.0093, 47.8558



13.0195, 12.0392, 19.3592



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



17.9093, 11.0514, 45.9892



26.8983, 14.0943, 81.5385



28.1469, 16.3290, 46.4683



8.8939, 8.9116, 11.3308



8.4791, 3.6823, 31.5169



0.3703, 0.1666, 1.1144

Inverse Universe

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



25.4480, 15.4596, 22.7610



42.2469, 23.0905, 33.2968



20.6253, 35.6601, 10.7971



9.2060, 9.0928, 10.4323



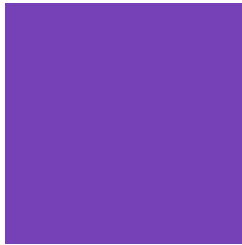
15.2902, 7.6899, 9.4151



0.5697, 0.2834, 0.4936

Previews

White Background



This preview shows how the XYZ color 17.9088, 11.0510, 45.9889 looks on a white background.

Color Contrast Check

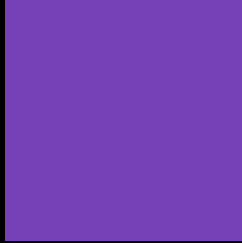
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 17.9088, 11.0510, 45.9889 looks on a black 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

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

XYZ 17.9088, 11.0510, 45.9889

Background



This preview shows how black text looks on a background with the XYZ color 17.9088, 11.0510, 45.9889.



This preview shows how white text looks on a background with the XYZ color 17.9088, 11.0510,

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

17.9088, 11.0510, 45.9889

Protanopia

13.1706, 11.1181, 51.3210

Deuteranopia

11.2508, 11.1929, 38.6133



Tritanopia

11.3125, 11.1307, 13.1075

Trichromacy



Original Color

17.9088, 11.0510, 45.9889



Protanomaly

13.1240, 10.0726, 49.3966



Deuteranomaly

11.7876, 10.0277, 40.8494



Tritanomaly

13.0431, 10.7454, 22.1555

Monochromacy



Original Color

17.9088, 11.0510, 45.9889



Achromatopsia

10.6392, 11.1932, 12.1894



Achromatomaly

12.4527, 10.5764, 21.1238

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.9088, 11.0510, 45.9889 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(118, 65, 183)` looks like.

```
.text, #text, p{  
    color:rgb(118, 65, 183)  
}
```

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(118, 65, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 65, 183) }
```

Border

The CSS property to change the border of an element to XYZ 17.9088, 11.0510, 45.9889 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(118, 65, 183) }
```


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

```
.border{ border-color:rgb(118, 65, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 65, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 65, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 65, 183);  
box-shadow:4px 4px 4px 4px rgb(118, 65,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 17.9088, 11.0510, 45.9889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 65, 183) }
```

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

```
.background{ background-color: rgb(118, 65,  
183) }
```

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