

Converting Colors

XYZ(18.2089, 11.4608, 54.6785)

Have a look what the booklet for
XYZ(18.2089, 11.4608, 54.6785)
contains.

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Color

**XYZ(18.2089, 11.4608,
54.6785)**

Conversions

Conversions Part 1

Format	Color
Hex	6946C6
RGB	105, 70, 198
RGB Percent	41%, 27%, 78%
CMY	0.5882, 0.7255, 0.2235
CMYK	0.47, 0.65, 0.00, 0.22
HSL	256°, 53%, 53%
HSV	256°, 65%, 78%
XYZ	18.2089, 11.4608, 54.6785
YIQ	95.0570, -20.2280, 47.2280

Conversions

Conversions Part 2

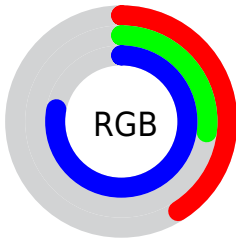
Format	Color
R_{YB}	105, 70, 198
Decimal	6899398
CIE _{Lab}	40.35, 45.37, -61.82
CIE _{LCh}	40, 76.682, 306.273
Yxy	11.4608, 0.2159, 0.1359
Android (android.graphics.Color)	4285089478 (0xFF6946C6)
YUV	95.0570, 50.7509, 8.7200
Hunter-Lab	33.8538, 36.7654, -72.0638

Details

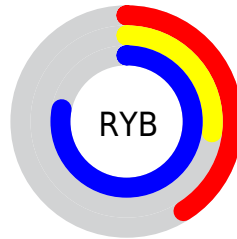
The XYZ color **18.2089, 11.4608, 54.6785** is a dark color, and the websafe version is hex **6633CC**. The color can be described as dark muted purple. A complement of this color would be **36.4033, 48.6168, 13.2598**, and the grayscale version is **10.7772, 11.3384, 12.3476**.

A 20% lighter version of the original color is **39.8707, 28.4395, 97.9957**, and **6.2835, 3.0925, 26.2523** is the 20% darker color. If you saturate the color by 10%, you get **15.6192, 8.5805, 54.2593**, and if you desaturate by 10%, it is **21.4938, 15.3056, 55.2477**.

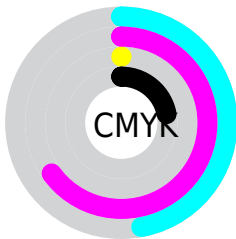
Distribution



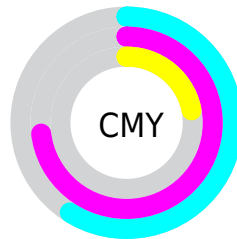
- Red (41%)
- Green (27%)
- Blue (78%)



- Red (41%)
- Yellow (27%)
- Blue (78%)



- Cyan (47%)
- Magenta (65%)
- Yellow (0%)
- Black (22%)



- Cyan (59%)
- Magenta (73%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.2089, 11.4608, 54.6785 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 18.2089, 11.4608, 54.6785 by changing the saturation by 10% instead.

■ 18.2089, 11.4608,
54.6785

■ 18.2089, 11.4608,
54.6785

235.0688,
200.8022, 421.9396

■ 11.2007, 6.3777,
38.7475

■ 39.9203, 28.5092,
98.5362

■ 6.2703, 3.0761,
26.2570

■ 55.3541, 41.2432,
127.2999

■ 3.0523, 1.1716,
16.7885

■ 74.3272, 57.2963,
161.1784

■ 1.1815, 0.0383,
9.9235

■ 97.2049, 77.0530,
200.5900

■ 0.0917, 0.0000,
5.2433

■ 124.3525,
100.8975, 245.9534

■ 0.0000, 0.0000,
2.3295

156.1355,

■ 0.0000, 0.0000,

129.2142, 297.6872

0.7477

192.9191,
162.3877, 356.2097

■ 0.0000, 0.0000,
0.0000

■ 18.2089, 11.4608,
54.6785

■ 18.2089, 11.4608,
54.6785

■ 15.6192, 8.5805,
54.2593

■ 21.4938, 15.3056,
55.2477

■ 13.6666, 6.5723,
53.9746

■ 25.5217, 20.1930,
55.9788

■ 12.2853, 5.3267,
53.8070

■ 30.3380, 26.1944,
56.8834

■ 11.7223, 4.8656,
53.7476

■ 35.9838, 33.3744,
57.9717

■ 42.4970, 41.7925,
59.2533

■ 49.9135, 51.5043,
60.7369

■ 58.2667, 62.5618,
62.4310

■ 67.5886, 75.0142,
64.3432

■ 77.9095, 88.9083,
66.4811

Harmonies

Analogous

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



12.0599, 11.4608, 70.9255



18.2089, 11.4608, 54.6785



23.3323, 11.4608, 28.5455

Triad

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



18.2089, 11.4608, 54.6785



15.5947, 11.4608, 0.0000



3.5190, 11.4608, 15.9941

Complementary

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



18.2089, 11.4608, 54.6785



36.4033, 48.6168, 13.2598

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.



3.9145, 11.4608, 3.9652



18.2089, 11.4608, 54.6785



9.8042, 11.4608, 0.0000

Square

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



18.2089, 11.4608, 54.6785



21.5087, 11.4608, 1.8896



5.8580, 11.4608, 0.5411



4.5125, 11.4608, 39.3968

Rectangle

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



18.2089, 11.4608, 54.6785



24.7740, 11.4608, 14.5000



5.8580, 11.4608, 0.5411



3.5003, 11.4608, 10.6549

Sweetspot

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



18.2095, 11.4611, 54.6788



69.7085, 66.8123, 103.8298



25.9706, 31.8827, 58.2115



14.2145, 13.3896, 22.0852



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



18.2095, 11.4611, 54.6788



25.9609, 13.4047, 95.8268



28.5602, 16.7972, 55.1632



10.3244, 10.4255, 13.3857



7.6948, 3.2010, 34.9567



0.4361, 0.1885, 1.6586

Inverse Universe

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



32.0896, 19.0305, 36.6308



53.1555, 28.2967, 57.6769



26.5405, 43.5323, 12.7982



10.9546, 10.7652, 12.7440



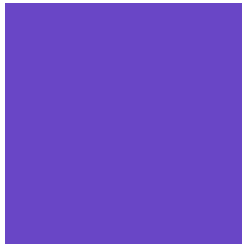
18.4493, 9.1293, 18.1075



0.9029, 0.4440, 1.0117

Previews

White Background



This preview shows how the XYZ color 18.2089, 11.4608, 54.6785 looks on a white background.

Color Contrast Check

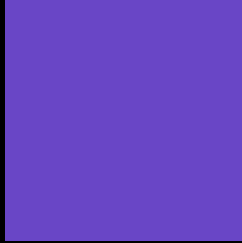
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.2089, 11.4608, 54.6785 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

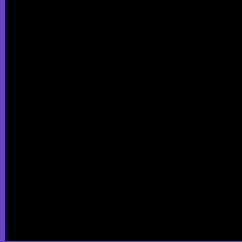
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.2089, 11.4608, 54.6785

Background



This preview shows how black text looks on a background with the XYZ color 18.2089, 11.4608, 54.6785.



This preview shows how white text looks on a background with the XYZ color 18.2089, 11.4608,

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

18.2089, 11.4608, 54.6785

Protanopia

13.5648, 11.5493, 52.5532

Deuteranopia

11.3426, 11.3765, 38.6439



Tritanopia

10.2775, 11.4814, 15.3101

Trichromacy



Original Color

18.2089, 11.4608, 54.6785



Protanomaly

13.8200, 10.6928, 52.9653



Deuteranomaly

12.3442, 10.4831, 44.0207



Tritanomaly

12.2697, 10.9674, 25.8963

Monochromacy



Original Color

18.2089, 11.4608, 54.6785



Achromatopsia

10.8771, 11.4435, 12.4620



Achromatomaly

12.6382, 10.9742, 23.2819

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2089, 11.4608, 54.6785 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(105, 70, 198)` looks like.

```
.text, #text, p{  
    color:rgb(105, 70, 198)  
}
```

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(105, 70, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 70, 198) }
```

Border

The CSS property to change the border of an element to XYZ 18.2089, 11.4608, 54.6785 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(105, 70, 198) }
```


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

```
.border{ border-color:rgb(105, 70, 198) }
```

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

Here you see how a box with a 4 pixel rgb(105, 70, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 70, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 70, 198);  
box-shadow:4px 4px 4px 4px rgb(105, 70,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2089, 11.4608, 54.6785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 70, 198) }
```

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

```
.background{ background-color: rgb(105, 70,  
198) }
```

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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