

Converting Colors

XYZ(18.0259, 11.9668, 54.1620)

Have a look what the booklet for
XYZ(18.0259, 11.9668, 54.1620)
contains.

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Color

**XYZ(18.0293, 11.9668,
54.1829)**

Conversions

Conversions Part 1

Format	Color
Hex	654CC5
RGB	101, 76, 197
RGB Percent	40%, 30%, 77%
CMY	0.6039, 0.7020, 0.2274
CMYK	0.49, 0.61, 0.00, 0.23
HSL	252°, 51%, 54%
HSV	252°, 61%, 77%
XYZ	18.0293, 11.9668, 54.1829
YIQ	97.2690, -23.9410, 42.9310

Conversions

Conversions Part 2

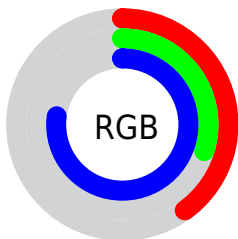
Format	Color
R_{YB}	101, 76, 197
Decimal	6638789
CIE _{Lab}	41.16, 40.89, -59.93
CIE _{LCh}	41, 72.554, 304.308
Yxy	11.9668, 0.2142, 0.1422
Android (android.graphics.Color)	4284828869 (0xFF654CC5)
YUV	97.2690, 49.1674, 3.2721
Hunter-Lab	34.5931, 32.4932, -68.6504

Details

The XYZ color **18.0293, 11.9668, 54.1829** is a dark color, and the websafe version is hex **663399**. The color can be described as dark muted purple. A complement of this color would be **38.2835, 49.2248, 14.3212**, and the grayscale version is **11.3159, 11.9053, 12.9648**.

A 20% lighter version of the original color is **39.6114, 29.4108, 98.1968**, and **6.1586, 3.2631, 25.8964** is the 20% darker color. If you saturate the color by 10%, you get **15.2873, 8.8377, 53.7237**, and if you desaturate by 10%, it is **21.5207, 16.0990, 54.7968**.

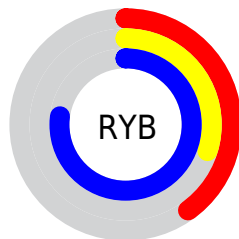
Distribution



Red (40%)

Green (30%)

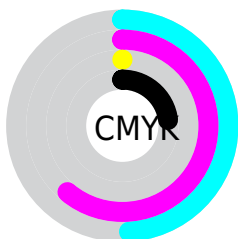
Blue (77%)



Red (40%)

Yellow (30%)

Blue (77%)

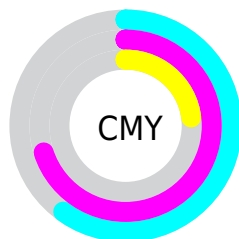


Cyan (49%)

Magenta (61%)

Yellow (0%)

Black (23%)



Cyan (60%)

Magenta (70%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.0293, 11.9668, 54.1829 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 18.0293, 11.9668, 54.1829 by changing the saturation by 10% instead.

■ 18.0293, 11.9668,
54.1829

■ 18.0293, 11.9668,
54.1829

234.0785,
204.1854, 420.0014

■ 11.0708, 6.7211,
38.3537

■ 39.6169, 29.4346,
97.8018

■ 6.1821, 3.2883,
25.9534

■ 54.9768, 42.4255,
126.4287

■ 2.9979, 1.2840,
16.5633

■ 73.8679, 58.7669,
160.1586

■ 1.1526, 0.1288,
9.7650

■ 96.6555, 78.8432,
199.4099

■ 0.0685, 0.0000,
5.1399

■ 123.7050,
103.0388, 244.6014

■ 0.0000, 0.0000,
2.2694

155.3818,

■ 0.0000, 0.0000,

131.7381, 296.1514

0.7140

192.0512,
165.3255, 354.4785

■ 0.0000, 0.0000,
0.0000

■ 18.0293, 11.9668,
54.1829

■ 18.0293, 11.9668,
54.1829

■ 15.2873, 8.8377,
53.7237

■ 21.5207, 16.0990,
54.7968

■ 13.2348, 6.6223,
53.4043

■ 25.8115, 21.3111,
55.5766

■ 11.8046, 5.2166,
53.2083

■ 30.9493, 27.6732,
56.5338

■ 10.9810, 4.4967,
53.1128

■ 36.9775, 35.2494,
57.6785

■ 43.9363, 44.0989,
59.0198

■ 51.8634, 54.2771,
60.5666

■ 60.7945, 65.8360,
62.3270

■ 70.7634, 78.8249,
64.3087

■ 81.8023, 93.2905,
66.5190

Harmonies

Analogous

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



12.1456, 11.9668, 67.9427



18.0293, 11.9668, 54.1829



23.0435, 11.9668, 29.9104

Triad

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



18.0293, 11.9668, 54.1829



16.3099, 11.9668, 0.3909



4.0088, 11.9668, 15.3130

Complementary

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



18.0293, 11.9668, 54.1829



38.2835, 49.2248, 14.3212

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.



4.5098, 11.9668, 4.1124



18.0293, 11.9668, 54.1829



10.6359, 11.9668, 0.0000

Square

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



18.0293, 11.9668, 54.1829



21.8561, 11.9668, 2.6096



6.5987, 11.9668, 0.7719



4.9295, 11.9668, 36.9096

Rectangle

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



18.0293, 11.9668, 54.1829



24.5880, 11.9668, 16.0974



6.5987, 11.9668, 0.7719



4.0193, 11.9668, 10.3790

Sweetspot

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



18.0299, 11.9672, 54.1832



69.9637, 67.8658, 104.0197



27.9640, 35.3785, 58.1785



14.2227, 13.5728, 22.1201



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.



18.0299, 11.9672, 54.1832



25.8760, 14.1726, 95.9795



27.3002, 16.7462, 54.6171



10.2581, 10.3913, 13.3826



7.2794, 2.9869, 34.9372



0.4062, 0.1732, 1.6572

Inverse Universe

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



33.0567, 20.0178, 41.1497



55.6013, 30.1498, 67.8594



27.9913, 43.9190, 13.8395



10.9856, 10.7776, 12.9073



19.1394, 9.4053, 21.7419



0.9306, 0.4551, 1.1578

Previews

White Background



This preview shows how the XYZ color 18.0293, 11.9668, 54.1829 looks on a white background.

Color Contrast Check

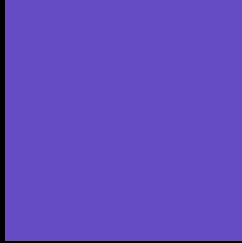
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.0293, 11.9668, 54.1829 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

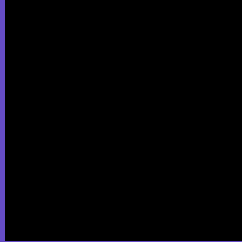
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.0293, 11.9668, 54.1829

Background



This preview shows how black text looks on a background with the XYZ color 18.0293, 11.9668, 54.1829.



This preview shows how white text looks on a background with the XYZ color 18.0293, 11.9668,

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

18.0293, 11.9668, 54.1829

Protanopia

14.1074, 11.9059, 54.9806

Deuteranopia

11.9082, 11.9022, 40.6995



Tritanopia

10.3945, 11.9480, 16.2263

Trichromacy



Original Color

18.0293, 11.9668, 54.1829

Protanomaly

14.3642, 11.2869, 54.8476

Deuteranomaly

12.8445, 11.2117, 45.2032

Tritanomaly

12.3812, 11.5087, 26.7681

Monochromacy



Original Color

18.0293, 11.9668, 54.1829

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

12.8430, 11.4349, 23.7206

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0293, 11.9668, 54.1829 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(101, 76, 197)` looks like.

```
.text, #text, p{  
    color:rgb(101, 76, 197)  
}
```

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(101, 76, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 76, 197) }
```

Border

The CSS property to change the border of an element to XYZ 18.0293, 11.9668, 54.1829 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(101, 76, 197) }
```


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

```
.border{ border-color:rgb(101, 76, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 76, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 76, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 76, 197);  
box-shadow:4px 4px 4px 4px rgb(101, 76,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 18.0293, 11.9668, 54.1829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 76, 197) }
```

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

```
.background{ background-color: rgb(101, 76,  
197) }
```

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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