

Converting Colors

XYZ(16.8606, 9.1378, 58.4247)

Have a look what the booklet for
XYZ(16.8606, 9.1378, 58.4247)
contains.

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Color

**XYZ(16.8794, 9.1219,
58.6287)**

Conversions

Conversions Part 1

Format	Color
Hex	5F32CD
RGB	95, 50, 205
RGB Percent	37%, 20%, 80%
CMY	0.6274, 0.8039, 0.1961
CMYK	0.54, 0.76, 0.00, 0.20
HSL	257°, 61%, 50%
HSV	257°, 76%, 80%
XYZ	16.8794, 9.1219, 58.6287
YIQ	81.1250, -22.9350, 57.7450

Conversions

Conversions Part 2

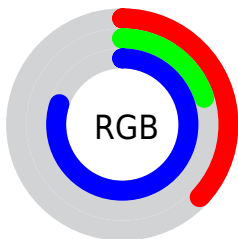
Format	Color
R _Y B	95, 50, 205
Decimal	6238925
CIE Lab	36.22, 55.97, -72.68
CIE LCh	36, 91.731, 307.599
Yxy	9.1219, 0.1994, 0.1078
Android (android.graphics.Color)	4284429005 (0xFF5F32CD)
YUV	81.1250, 61.0704, 12.1684
Hunter-Lab	30.2025, 46.9048, -93.9513

Details

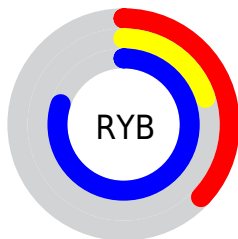
The XYZ color **16.8794, 9.1219, 58.6287** is a dark color, and the websafe version is hex **6633CC**. The color can be described as dark muted blue. A complement of this color would be **36.9031, 51.3661, 10.9872**, and the grayscale version is **7.7326, 8.1353, 8.8594**.

A 20% lighter version of the original color is **36.2212, 23.4959, 97.2338**, and **5.6743, 2.2985, 28.5784** is the 20% darker color. If you saturate the color by 10%, you get **14.8183, 7.0367, 58.3351**, and if you desaturate by 10%, it is **19.6160, 12.1372, 59.0667**.

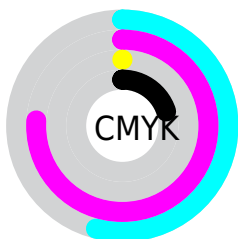
Distribution



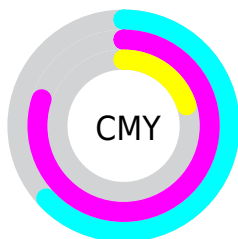
- Red (37%)
- Green (20%)
- Blue (80%)



- Red (37%)
- Yellow (20%)
- Blue (80%)



- Cyan (54%)
- Magenta (76%)
- Yellow (0%)
- Black (20%)



- Cyan (63%)
- Magenta (80%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8794, 9.1219, 58.6287 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 16.8794, 9.1219, 58.6287 by changing the saturation by 10% instead.

■ 16.8794, 9.1219,
58.6287

■ 16.8794, 9.1219,
58.6287

227.6463,
184.2847, 437.1881

■ 10.2433, 4.8208,
41.8963

■ 37.6636, 24.1302,
104.3616

■ 5.6241, 2.1425,
28.6951

■ 52.5423, 35.6062,
134.1992

■ 2.6563, 0.6884,
18.6067

■ 70.8994, 50.2426,
169.2422

■ 0.9748, 0.0000,
11.2125

■ 93.1001, 68.4238,
209.9092

■ 0.0000, 0.0000,
6.0940

■ 119.5098, 90.5343,
256.6188

■ 0.0000, 0.0000,
2.8326

■ 150.4938,

■ 0.0000, 0.0000,

116.9583, 309.7894

1.0098

186.4175,
148.0803, 369.8397

■ 0.0000, 0.0000,
0.0000

■ 16.8794, 9.1219,
58.6287

■ 16.8794, 9.1219,
58.6287

■ 14.8183, 7.0367,
58.3351

■ 19.6160, 12.1372,
59.0667

■ 13.3579, 5.7583,
58.1653

■ 23.0873, 16.1824,
59.6646

■ 12.8544, 5.3537,
58.1138

■ 27.3474, 21.3447,
60.4365

■ 32.4446, 27.7015,
61.3948

■ 38.4229, 35.3234,
62.5509

■ 45.3232, 44.2753,
63.9151

■ 53.1839, 54.6175,
65.4970

■ 62.0408, 66.4067,
67.3058

■ 71.9281, 79.6964,
69.3498

Harmonies

Analogous

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



10.1488, 9.1219, 80.6478



16.8794, 9.1219, 58.6287



22.6274, 9.1219, 26.5755

Triad

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



16.8794, 9.1219, 58.6287



13.3698, 9.1219, 0.0000



1.8358, 9.1219, 14.5120

Complementary

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



16.8794, 9.1219, 58.6287



36.9031, 51.3661, 10.9872

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.



2.0985, 9.1219, 2.2735



16.8794, 9.1219, 58.6287



7.3425, 9.1219, 0.0000

Square

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



16.8794, 9.1219, 58.6287



20.0729, 9.1219, 0.4528



3.6773, 9.1219, 0.0000



2.6914, 9.1219, 42.3563

Rectangle

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



16.8794, 9.1219, 58.6287



24.1595, 9.1219, 11.2592



3.6773, 9.1219, 0.0000



1.8062, 9.1219, 8.7138

Sweetspot

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



16.8800, 9.1221, 58.6290



65.4198, 61.0609, 102.9457



25.0943, 30.6048, 62.3426



13.1716, 11.9995, 21.8719



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.



16.8800, 9.1221, 58.6290



22.6039, 10.0210, 95.3506



29.0456, 15.3937, 59.1983



10.9027, 10.9991, 14.1188



8.0850, 3.3755, 36.1817



0.4933, 0.2134, 1.8701

Inverse Universe

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



32.6622, 17.7982, 34.9689



50.5818, 25.4854, 49.6166



26.0260, 45.7588, 10.4781



11.5433, 11.3461, 13.3956



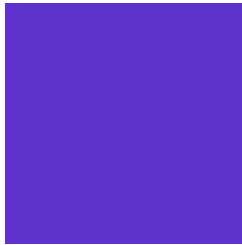
18.9211, 9.3790, 17.8353



1.0081, 0.4966, 1.0884

Previews

White Background



This preview shows how the XYZ color 16.8794, 9.1219, 58.6287 looks on a white background.

Color Contrast Check

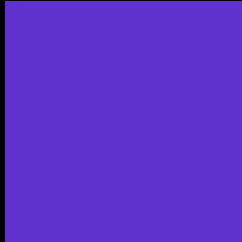
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.8794, 9.1219, 58.6287 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

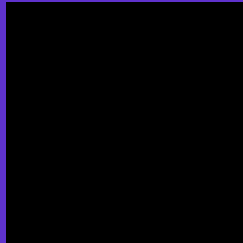
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.8794, 9.1219, 58.6287

Background



This preview shows how black text looks on a background with the XYZ color 16.8794, 9.1219, 58.6287.



This preview shows how white text looks on a background with the XYZ color 16.8794, 9.1219,

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

16.8794, 9.1219, 58.6287

Protanopia

10.5601, 9.0517, 40.7257

Deuteranopia

8.9145, 9.1494, 29.7299



Tritanopia

7.6175, 9.1052, 12.6653

Trichromacy



Original Color

16.8794, 9.1219, 58.6287

Protanomaly

11.6403, 8.2404, 46.8760

Deuteranomaly

10.3033, 8.1195, 38.5603

Tritanomaly

9.6325, 8.1874, 24.3652

Monochromacy



Original Color

16.8794, 9.1219, 58.6287

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

9.7938, 7.8651, 20.7406

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8794, 9.1219, 58.6287 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(95, 50, 205)` looks like.

```
.text, #text, p{  
    color:rgb(95, 50, 205)  
}
```

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(95, 50, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 50, 205) }
```

Border

The CSS property to change the border of an element to XYZ 16.8794, 9.1219, 58.6287 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(95, 50, 205) }
```


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

```
.border{ border-color:rgb(95, 50, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 50, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 50, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 50, 205);  
box-shadow:4px 4px 4px 4px rgb(95, 50,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8794, 9.1219, 58.6287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 50, 205) }
```

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

```
.background{ background-color: rgb(95, 50,  
205) }
```

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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