

Converting Colors

XYZ(19.1670, 9.7924, 57.3801)

Have a look what the booklet for
XYZ(19.1670, 9.7924, 57.3801)
contains.

XYZ(19.1802, 9.8196, 57.3844)	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(19.1802, 9.8196,
57.3844)**

Conversions

Conversions Part 1

Format	Color
Hex	7729CB
RGB	119, 41, 203
RGB Percent	47%, 16%, 80%
CMY	0.5333, 0.8392, 0.2039
CMYK	0.41, 0.80, 0.00, 0.20
HSL	269°, 66%, 48%
HSV	269°, 80%, 80%
XYZ	19.1802, 9.8196, 57.3844
YIQ	82.7900, -5.5140, 66.9180

Conversions

Conversions Part 2

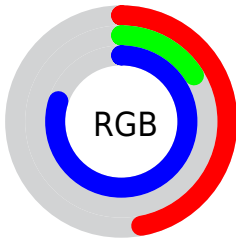
Format	Color
R _{YB}	119, 41, 203
Decimal	7809483
CIE _{Lab}	37.52, 62.60, -69.28
CIE _{LCh}	38, 93.373, 312.100
Yxy	9.8196, 0.2220, 0.1137
Android (android.graphics.Color)	4285999563 (0xFF7729CB)
YUV	82.7900, 59.2635, 31.7562
Hunter-Lab	31.3362, 54.4174, -86.6393

Details

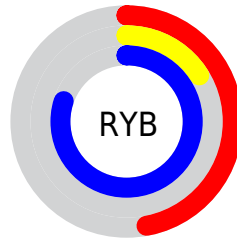
The XYZ color **19.1802, 9.8196, 57.3844** is a dark color, and the websafe version is hex **6633CC**. The color can be described as dark muted purple. A complement of this color would be **30.2132, 47.2318, 9.6221**, and the grayscale version is **8.0643, 8.4843, 9.2394**.

A 20% lighter version of the original color is **40.5930, 25.0507, 97.3035**, and **7.0902, 3.0377, 28.2296** is the 20% darker color. If you saturate the color by 10%, you get **17.2849, 8.0554, 57.1440**, and if you desaturate by 10%, it is **21.5982, 12.3901, 57.7533**.

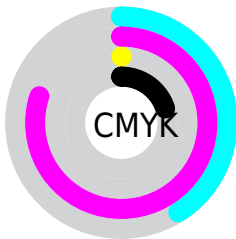
Distribution



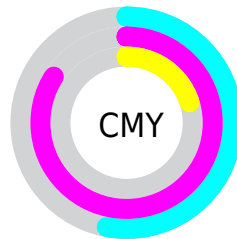
- Red (47%)
- Green (16%)
- Blue (80%)



- Red (47%)
- Yellow (16%)
- Blue (80%)



- Cyan (41%)
- Magenta (80%)
- Yellow (0%)
- Black (20%)



- Cyan (53%)
- Magenta (84%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.1802, 9.8196, 57.3844 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 19.1802, 9.8196, 57.3844 by changing the saturation by 10% instead.

■ 19.1802, 9.8196,
57.3844

■ 19.1802, 9.8196,
57.3844

240.3608,
189.3796, 432.4222

■ 11.9053, 5.2795,
40.9025

■ 41.5529, 25.4556,
102.5318

■ 6.7510, 2.4122,
27.9238

■ 57.3814, 37.3204,
132.0343

■ 3.3518, 0.8321,
18.0297

■ 76.7919, 52.3954,
166.7142

■ 1.3424, 0.0000,
10.8016

■ 100.1497, 71.0652,
206.9899

■ 0.2146, 0.0000,
5.8211

■ 127.8201, 93.7142,
253.2801

■ 0.0000, 0.0000,
2.6696

■ 160.1685,

■ 0.0000, 0.0000,

120.7266, 306.0031

0.9281

197.5603,
152.4870, 365.5776

■ 0.0000, 0.0000,
0.0000

■ 19.1802, 9.8196,
57.3844

■ 19.1802, 9.8196,
57.3844

■ 17.2849, 8.0554,
57.1440

■ 21.5982, 12.3901,
57.7533

■ 15.8158, 6.9145,
57.0012

■ 24.5912, 15.8664,
58.2666

■ 15.7892, 6.8944,
56.9987

■ 28.2058, 20.3341,
58.9384

■ 32.4829, 25.8681,
59.7812

■ 37.4595, 32.5359,
60.8059

■ 43.1697, 40.3994,
62.0227

■ 49.6450, 49.5158,
63.4411

■ 56.9153, 59.9386,
65.0697

■ 65.0084, 71.7181,
66.9168

Harmonies

Analogous

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



11.9163, 9.8196, 84.1905



19.1802, 9.8196, 57.3844



24.8060, 9.8196, 24.0930

Triad

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



19.1802, 9.8196, 57.3844



13.2681, 9.8196, 0.0000



2.0588, 9.8196, 19.0412

Complementary

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



19.1802, 9.8196, 57.3844



30.2132, 47.2318, 9.6221

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.



2.1690, 9.8196, 3.4967



19.1802, 9.8196, 57.3844



7.1534, 9.8196, 0.0000

Square

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



19.1802, 9.8196, 57.3844



20.5210, 9.8196, 0.1457



3.6103, 9.8196, 0.0000



3.1967, 9.8196, 50.5556

Rectangle

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



19.1802, 9.8196, 57.3844



25.8586, 9.8196, 9.5460



3.6103, 9.8196, 0.0000



1.9709, 9.8196, 11.9260

Sweetspot

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



19.1808, 9.8199, 57.3847



67.8114, 61.4452, 102.8938



19.3351, 20.0655, 59.3541



13.7884, 12.1554, 21.8694



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.



19.1808, 9.8199, 57.3847



27.0737, 12.0362, 95.5040



34.7560, 17.8492, 58.1136



11.1072, 11.1046, 14.1284



10.1522, 4.4412, 36.2784



0.6112, 0.2742, 1.8757

Inverse Universe

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



29.1231, 15.7630, 20.9084



45.8752, 23.2912, 25.7927



22.9011, 43.4623, 9.2799



11.4511, 11.3092, 12.9103



17.3508, 8.7509, 9.5661



0.9334, 0.4667, 0.6949

Previews

White Background



This preview shows how the XYZ color 19.1802, 9.8196, 57.3844 looks on a white background.

Color Contrast Check

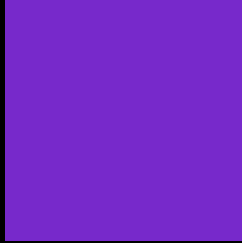
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.1802, 9.8196, 57.3844 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

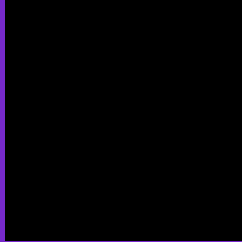
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.1802, 9.8196, 57.3844

Background



This preview shows how black text looks on a background with the XYZ color 19.1802, 9.8196, 57.3844.



This preview shows how white text looks on a background with the XYZ color 19.1802, 9.8196,

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

19.1802, 9.8196, 57.3844

Protanopia

11.5660, 9.9509, 44.4911

Deuteranopia

9.7418, 9.8825, 32.8465



Tritanopia

9.9197, 9.8256, 11.7296

Trichromacy



Original Color

19.1802, 9.8196, 57.3844

Protanomaly

12.2635, 8.5247, 48.5760

Deuteranomaly

10.9216, 8.2958, 40.5608

Tritanomaly

12.0173, 8.9573, 23.2859

Monochromacy



Original Color

19.1802, 9.8196, 57.3844

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

10.7218, 8.1533, 21.0873

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.1802, 9.8196, 57.3844 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(119, 41, 203)` looks like.

```
.text, #text, p{  
    color:rgb(119, 41, 203)  
}
```

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(119, 41, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 41, 203) }
```

Border

The CSS property to change the border of an element to XYZ 19.1802, 9.8196, 57.3844 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(119, 41, 203) }
```


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

```
.border{ border-color:rgb(119, 41, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 41, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 41, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 41, 203);  
box-shadow:4px 4px 4px 4px rgb(119, 41,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 19.1802, 9.8196, 57.3844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 41, 203) }
```

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

```
.background{ background-color: rgb(119, 41,  
203) }
```

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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