

Converting Colors

XYZ(19.5808, 16.1338, 34.5738)

Have a look what the booklet for
XYZ(19.5808, 16.1338, 34.5738)
contains.

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Color

**XYZ(19.6308, 16.1722,
34.4346)**

Conversions

Conversions Part 1

Format	Color
Hex	80649E
RGB	128, 100, 158
RGB Percent	50%, 39%, 62%
CMY	0.4980, 0.6078, 0.3804
CMYK	0.19, 0.37, 0.00, 0.38
HSL	269°, 23%, 51%
HSV	269°, 37%, 62%
XYZ	19.6308, 16.1722, 34.4346
YIQ	114.9840, -1.9300, 23.9740

Conversions

Conversions Part 2

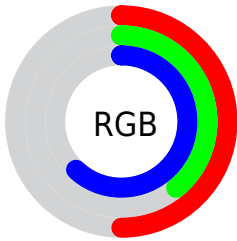
Format	Color
R_{YB}	128, 100, 158
Decimal	8414366
CIE _{Lab}	47.20, 23.14, -27.30
CIE _{LCh}	47, 35.787, 310.290
Yxy	16.1722, 0.2795, 0.2302
Android (android.graphics.Color)	4286604446 (0xFF80649E)
YUV	114.9840, 21.2069, 11.4150
Hunter-Lab	40.2147, 16.7591, -22.6179

Details

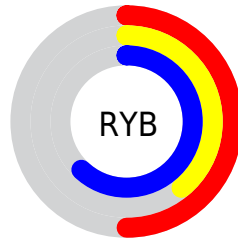
The XYZ color **19.6308, 16.1722, 34.4346** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **23.7336, 30.1200, 16.6202**, and the grayscale version is **16.2295, 17.0747, 18.5944**.

A 20% lighter version of the original color is **42.3683, 36.8824, 67.8368**, and **6.9352, 5.1646, 14.2670** is the 20% darker color. If you saturate the color by 10%, you get **17.0797, 12.8217, 33.9226**, and if you desaturate by 10%, it is **22.5759, 20.1629, 35.0499**.

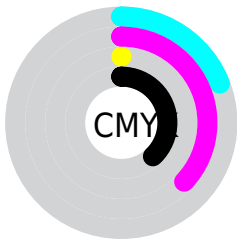
Distribution



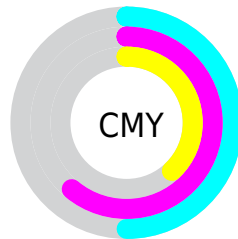
- Red (50%)
- Green (39%)
- Blue (62%)



- Red (50%)
- Yellow (39%)
- Blue (62%)



- Cyan (19%)
- Magenta (37%)
- Yellow (0%)
- Black (38%)



- Cyan (50%)
- Magenta (61%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6308, 16.1722, 34.4346 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 19.6308, 16.1722, 34.4346 by changing the saturation by 10% instead.

■ 19.6308, 16.1722,
34.4346

■ 19.6308, 16.1722,
34.4346

242.7812,
230.3557, 336.8937

■ 12.2337, 9.6461,
22.9476

■ 42.3060, 36.8969,
67.7505

■ 6.9763, 5.1649,
14.3499

■ 58.3148, 51.8643,
90.4166

■ 3.4935, 2.3444,
8.2229

■ 77.9248, 70.4142,
117.6460

■ 1.4198, 0.7970,
4.1481

■ 101.5014, 92.9310,
149.8575

■ 0.2703, 0.0000,
1.7069

129.4100,
119.7992, 187.4694

■ 0.0000, 0.0000,
0.3655

162.0160,

■ 0.0000, 0.0000,

151.4031, 230.9004

0.0000

199.6846,
188.1272, 280.5690

■ 19.6308, 16.1722,
34.4346

■ 19.6308, 16.1722,
34.4346

■ 17.0797, 12.8217,
33.9226

■ 22.5759, 20.1629,
35.0499

■ 14.9016, 10.0740,
33.5071

■ 25.9314, 24.8243,
35.7728

■ 13.0759, 7.8910,
33.1819

■ 29.7144, 30.1873,
36.6086

■ 11.5788, 6.2291,
32.9401

■ 33.9408, 36.2803,
37.5619

■ 10.3833, 5.0380,
32.7731

■ 38.6254, 43.1301,
38.6371

■ 9.4497, 4.2424,
32.6688

■ 43.7825, 50.7622,
39.8385

■ 9.1740, 4.0164,
32.6397

■ 49.4255, 59.2006,
41.1698

■ 55.5675, 68.4687,
42.6350

■ 62.2210, 78.5885,
44.2377

Harmonies

Analogous

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



16.4789, 16.1722, 40.7894



19.6308, 16.1722, 34.4346



21.8086, 16.1722, 24.1320

Triad

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



19.6308, 16.1722, 34.4346



17.5061, 16.1722, 5.8052



10.1480, 16.1722, 20.8933

Complementary

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



19.6308, 16.1722, 34.4346



23.7336, 30.1200, 16.6202

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.



10.3444, 16.1722, 12.3818



19.6308, 16.1722, 34.4346



14.3142, 16.1722, 5.4604

Square

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



19.6308, 16.1722, 34.4346



20.4705, 16.1722, 8.6037



11.7772, 16.1722, 7.4134



11.1979, 16.1722, 31.3793

Rectangle

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



19.6308, 16.1722, 34.4346



22.2597, 16.1722, 17.5211



11.7772, 16.1722, 7.4134



10.0743, 16.1722, 17.6968

Sweetspot

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



19.6314, 16.1729, 34.4350



50.7661, 50.2684, 65.7706



19.5350, 21.3933, 35.4477



11.2496, 11.0558, 14.7847



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



19.6314, 16.1729, 34.4350



31.8204, 24.3238, 61.7613



24.4524, 18.6582, 34.6606



6.5742, 6.5845, 8.3311



7.3926, 3.2400, 26.1430



0.1808, 0.0830, 0.4697

Inverse Universe

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



22.6875, 17.9958, 23.3976



38.3957, 28.2478, 37.9272



19.9996, 28.1951, 16.4455



6.7691, 6.7006, 7.6352



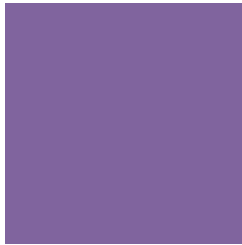
12.5245, 6.3144, 7.0131



0.2453, 0.1214, 0.2378

Previews

White Background



This preview shows how the XYZ color 19.6308, 16.1722, 34.4346 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 19.6308, 16.1722, 34.4346 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

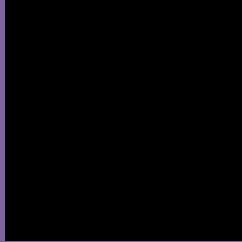
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.6308, 16.1722, 34.4346

Background



This preview shows how black text looks on a background with the XYZ color 19.6308, 16.1722, 34.4346.



This preview shows how white text looks on a background with the XYZ color 19.6308, 16.1722,

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

19.6308, 16.1722, 34.4346

Protanopia

16.9731, 16.2322, 38.3149

Deuteranopia

16.6150, 16.3106, 33.7250



Tritanopia

16.4586, 16.0744, 19.0648

Trichromacy



Original Color

19.6308, 16.1722, 34.4346

Protanomaly

17.7088, 16.0166, 36.8085

Deuteranomaly

17.5278, 16.1379, 34.0894

Tritanomaly

17.5286, 16.0542, 24.0047

Monochromacy



Original Color

19.6308, 16.1722, 34.4346

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

17.4184, 16.7836, 23.7942

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6308, 16.1722, 34.4346 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(128, 100, 158)` looks like.

```
.text, #text, p{  
    color:rgb(128, 100, 158)  
}
```

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(128, 100, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 100, 158) }
```

Border

The CSS property to change the border of an element to XYZ 19.6308, 16.1722, 34.4346 is called "border". The border property can be set on classes, ids or directly on the HTML element.

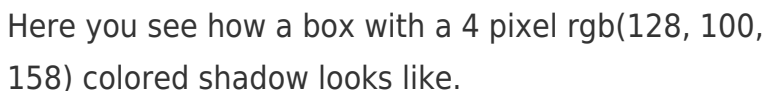
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(128, 100, 158) }
```


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

```
.border{ border-color:rgb(128, 100, 158) }
```

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



Here you see how a box with a 4 pixel `rgb(128, 100, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(128, 100, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(128, 100, 158); box-shadow:4px 4px 4px 4px rgb(128, 100, 158) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6308, 16.1722, 34.4346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 100, 158) }
```

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

```
.background{ background-color: rgb(128,  
100, 158) }
```

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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