

Converting Colors

XYZ(31.8832, 25.4231, 39.1341)

Have a look what the booklet for
XYZ(31.8832, 25.4231, 39.1341)
contains.

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Color

**XYZ(31.8399, 25.4118,
39.3032)**

Conversions

Conversions Part 1

Format	Color
Hex	B277A6
RGB	178, 119, 166
RGB Percent	70%, 47%, 65%
CMY	0.3020, 0.5333, 0.3490
CMYK	0.00, 0.33, 0.07, 0.30
HSL	312°, 28%, 58%
HSV	312°, 33%, 70%
XYZ	31.8399, 25.4118, 39.3032
YIQ	141.9990, 20.0770, 27.1250

Conversions

Conversions Part 2

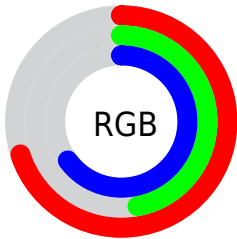
Format	Color
R_{YB}	178, 119, 166
Decimal	11696038
CIE _{Lab}	57.47, 30.55, -15.72
CIE _{LCh}	57, 34.362, 332.770
Yxy	25.4118, 0.3298, 0.2632
Android (android.graphics.Color)	4289886118 (0xFFB277A6)
YUV	141.9990, 11.8325, 31.5729
Hunter-Lab	50.4101, 24.5260, -10.9395

Details

The XYZ color **31.8399, 25.4118, 39.3032** is a light color, and the websafe version is hex **996699**. A complement of this color would be **27.6260, 37.4023, 27.2377**, and the grayscale version is **25.6606, 26.9969, 29.3996**.

A 20% lighter version of the original color is **62.0646, 52.3877, 75.2473**, and **13.4776, 9.7562, 17.0924** is the 20% darker color. If you saturate the color by 10%, you get **29.5893, 21.4343, 36.9375**, and if you desaturate by 10%, it is **34.4981, 30.1888, 41.8515**.

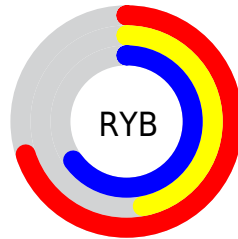
Distribution



Red (70%)

Green (47%)

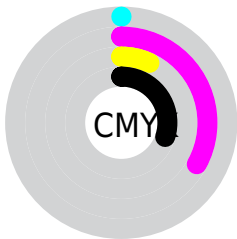
Blue (65%)



Red (70%)

Yellow (47%)

Blue (65%)

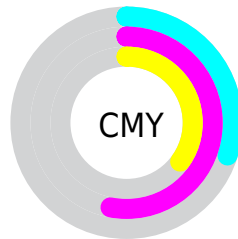


Cyan (0%)

Magenta (33%)

Yellow (7%)

Black (30%)



Cyan (30%)


Magenta (53%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.8399, 25.4118, 39.3032 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 31.8399, 25.4118, 39.3032 by changing the saturation by 10% instead.

 31.8399, 25.4118,
39.3032


 31.8399, 25.4118,
39.3032


302.1476,
279.8826, 358.6422


 21.3942, 16.3841,
26.6860


 61.9269, 52.3245,
75.3267

 13.5266, 9.7964,
17.1072


 82.2989, 70.9783,
99.5701

 7.8716, 5.2642,
10.1482

 106.7104, 93.6096,
128.5261

 4.0640, 2.4031,
5.3904

135.5268,
120.6028, 162.6131

 1.7384, 0.8275,
2.4154

169.1133,
152.3424, 202.2496

 0.4801, 0.0000,
0.7948

207.8353,

 0.0000, 0.0000,

189.2125, 247.8543

0.0000

252.0583,
231.5978, 299.8457

■ 31.8399, 25.4118,
39.3032

■ 31.8399, 25.4118,
39.3032

■ 29.5893, 21.4343,
36.9375

■ 34.4981, 30.1888,
41.8515

■ 27.7218, 18.2085,
34.7450

■ 37.5822, 35.8028,
44.5879

■ 26.2136, 15.6866,
32.7176


■ 41.1121, 42.2932,
47.5199


■ 25.0374, 13.8142,
30.8460


■ 45.1057, 49.6957,
50.6536


■ 24.1619, 12.5287,
29.1192

■ 49.5800, 58.0442,
53.9952


 23.5495, 11.7551,
27.5243

 54.5511, 67.3707,
57.5503

 23.2274, 11.4119,
26.4888

 60.0344, 77.7058,
61.3244

 63.9669, 84.9237,
64.6302

 64.3813, 85.0895,
66.8124

Harmonies

Analogous

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



28.6634, 25.4118, 51.2481



31.8399, 25.4118, 39.3032



32.8877, 25.4118, 26.5952

Triad

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



31.8399, 25.4118, 39.3032



23.7752, 25.4118, 10.7225



18.1272, 25.4118, 41.7332

Complementary

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



31.8399, 25.4118, 39.3032



27.6260, 37.4023, 27.2377

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.



17.1207, 25.4118, 28.7716



31.8399, 25.4118, 39.3032



20.1428, 25.4118, 12.7265

Square

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



31.8399, 25.4118, 39.3032



27.9320, 25.4118, 12.0891



17.8153, 25.4118, 18.5924



20.7315, 25.4118, 52.9068

Rectangle

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



31.8399, 25.4118, 39.3032



32.1518, 25.4118, 19.8376



17.8153, 25.4118, 18.5924



17.6050, 25.4118, 37.3304

Sweetspot

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



31.8407, 25.4129, 39.3037



69.9681, 68.2534, 82.3985



23.9630, 21.2186, 44.9527



15.3112, 14.7727, 18.0947



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



31.8407, 25.4129, 39.3037



54.5927, 40.5088, 68.0054



29.4518, 24.4574, 26.7239



8.7745, 8.6165, 10.3109



16.6422, 8.1744, 19.0736



0.5424, 0.2647, 0.6990

Inverse Universe

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



31.8407, 25.4129, 39.3037



54.5927, 40.5088, 68.0054



29.9006, 38.3121, 39.2155



8.7745, 8.6165, 10.3109



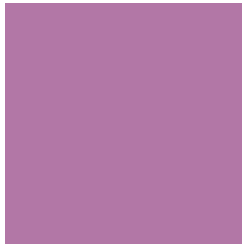
16.6422, 8.1744, 19.0736



0.5424, 0.2647, 0.6990

Previews

White Background



This preview shows how the XYZ color 31.8399, 25.4118, 39.3032 looks on a white background.

Color Contrast Check

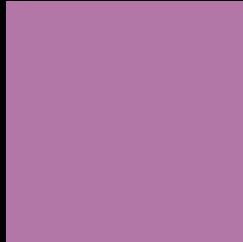
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 31.8399, 25.4118, 39.3032 looks on a black 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

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

XYZ 31.8399, 25.4118, 39.3032

Background



This preview shows how black text looks on a background with the XYZ color 31.8399, 25.4118, 39.3032.



This preview shows how white text looks on a background with the XYZ color 31.8399, 25.4118,

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

31.8399, 25.4118, 39.3032

Protanopia

25.9844, 25.7352, 46.2457

Deuteranopia

26.0900, 25.5477, 38.2064



Tritanopia

29.1623, 25.4152, 26.2903

Trichromacy



Original Color

31.8399, 25.4118, 39.3032

Protanomaly

27.4767, 25.1322, 43.4472

Deuteranomaly

27.8775, 25.2509, 38.5266

Tritanomaly

29.9505, 25.3552, 30.5096

Monochromacy



Original Color

31.8399, 25.4118, 39.3032

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

27.6286, 26.2531, 32.8893

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8399, 25.4118, 39.3032 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(178, 119, 166)` looks like.

```
.text, #text, p{  
    color:rgb(178, 119, 166)  
}
```

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(178, 119, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 119, 166) }
```

Border

The CSS property to change the border of an element to XYZ 31.8399, 25.4118, 39.3032 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(178, 119, 166) }
```


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

```
.border{ border-color:rgb(178, 119, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 119, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 119, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 119, 166);  
box-shadow:4px 4px 4px 4px rgb(178, 119,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8399, 25.4118, 39.3032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 119, 166) }
```

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

```
.background{ background-color: rgb(178,  
119, 166) }
```

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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