

Converting Colors

XYZ(31.1113, 24.0194, 35.6742)

Have a look what the booklet for
XYZ(31.1113, 24.0194, 35.6742)
contains.

XYZ(31.2192, 24.1372, 35.8144)	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(31.2192, 24.1372,
35.8144)**

Conversions

Conversions Part 1

Format	Color
Hex	B5719F
RGB	181, 113, 159
RGB Percent	71%, 44%, 62%
CMY	0.2902, 0.5568, 0.3765
CMYK	0.00, 0.38, 0.12, 0.29
HSL	319°, 31%, 58%
HSV	319°, 38%, 71%
XYZ	31.2192, 24.1372, 35.8144
YIQ	138.5760, 25.7620, 28.7220

Conversions

Conversions Part 2

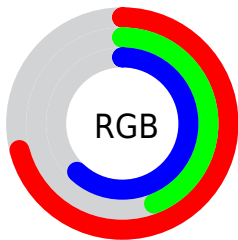
Format	Color
RYB	181, 113, 159
Decimal	11891103
CIELab	56.22, 33.67, -13.53
CIELCh	56, 36.287, 338.103
Yxy	24.1372, 0.3424, 0.2647
Android (android.graphics.Color)	4290081183 (0xFFB5719F)
YUV	138.5760, 10.0690, 37.2058
Hunter-Lab	49.1296, 27.4502, -8.8303

Details

The XYZ color **31.2192, 24.1372, 35.8144** is a light color, and the websafe version is hex **996699**. A complement of this color would be **27.7081, 38.3085, 28.8572**, and the grayscale version is **24.3341, 25.6013, 27.8798**.

A 20% lighter version of the original color is **61.0337, 50.3046, 70.1113**, and **13.2367, 9.1497, 15.2558** is the 20% darker color. If you saturate the color by 10%, you get **28.9016, 20.2957, 32.5938**, and if you desaturate by 10%, it is **33.9651, 28.7959, 39.2971**.

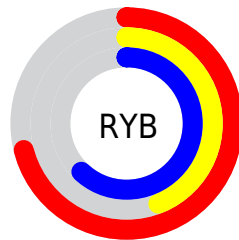
Distribution



Red (71%)

Green (44%)

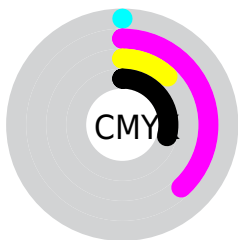
Blue (62%)



Red (71%)

Yellow (44%)

Blue (62%)

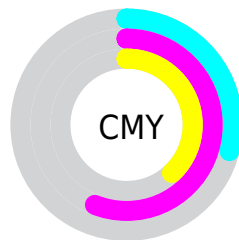


Cyan (0%)

Magenta (38%)

Yellow (12%)

Black (29%)



Cyan (29%)

Magenta (56%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2192, 24.1372, 35.8144 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 31.2192, 24.1372, 35.8144 by changing the saturation by 10% instead.

31.2192, 24.1372,
35.8144

31.2192, 24.1372,
35.8144

299.3558,
273.5134, 343.1614

20.9185, 15.4354,
24.0023

60.9585, 50.2540,
69.9113

13.1765, 9.1255,
15.1231

81.1278, 68.4378,
93.0332

7.6281, 4.8232,
8.7583

105.3173, 90.5511,
120.7622

3.9077, 2.1439,
4.4892

133.8924,
116.9782, 153.5167

1.6500, 0.6891,
1.8974

167.2185,
148.1037, 191.7154

0.4247, 0.0000,
0.4911

205.6608,

0.0000, 0.0000,

184.3117, 235.7767

0.0000

249.5848,
225.9868, 286.1192

■ 31.2192, 24.1372,
35.8144

■ 31.2192, 24.1372,
35.8144

■ 28.9016, 20.2957,
32.5938

■ 33.9651, 28.7959,
39.2971

■ 26.9856, 17.2199,
29.6240

■ 37.1595, 34.3129,
43.0494

■ 25.4450, 14.8574,
26.8948


■ 40.8238, 40.7302,
47.0804


■ 24.2494, 13.1480,
24.3945


■ 44.9776, 48.0864,
51.3980

■ 23.3633, 12.0213,
22.1095


■ 49.6391, 56.4175,
56.0099


 22.7335, 11.3712,
20.0201

 54.8258, 65.7580,
60.9233

 22.5963, 11.2399,
19.5336

 60.5542, 76.1403,
66.1452

 65.9387, 85.7928,
71.3818

 66.6630, 86.0825,
75.1958

Harmonies

Analogous

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



28.2566, 24.1372, 48.8228



31.2192, 24.1372, 35.8144



31.8356, 24.1372, 23.1740

Triad

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



31.2192, 24.1372, 35.8144



21.8294, 24.1372, 9.4665



17.1903, 24.1372, 43.1609

Complementary

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



31.2192, 24.1372, 35.8144



27.7081, 38.3085, 28.8572

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.



15.8808, 24.1372, 29.6546



31.2192, 24.1372, 35.8144



18.3389, 24.1372, 12.0309

Square

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



31.2192, 24.1372, 35.8144



26.0654, 24.1372, 10.2081



16.2742, 24.1372, 18.6105



20.0781, 24.1372, 53.8821

Rectangle

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



31.2192, 24.1372, 35.8144



30.7706, 24.1372, 16.8763



16.2742, 24.1372, 18.6105



16.5679, 24.1372, 38.6575

Sweetspot

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



31.2199, 24.1383, 35.8149



70.6409, 68.5988, 81.6496



24.1635, 20.2600, 46.3535



15.0779, 14.4935, 17.4392



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.



31.2199, 24.1383, 35.8149



52.4604, 37.4935, 59.3874



28.6937, 23.1278, 22.5117



8.7307, 8.5990, 10.0804



15.6101, 7.7616, 13.6386



0.5165, 0.2543, 0.5625

Inverse Universe

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



31.2199, 24.1383, 35.8149



52.4604, 37.4935, 59.3874



30.4525, 39.4062, 43.3087



8.7307, 8.5990, 10.0804



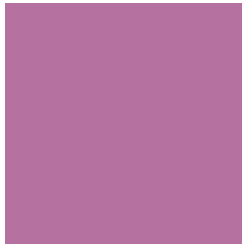
15.6101, 7.7616, 13.6386



0.5165, 0.2543, 0.5625

Previews

White Background



This preview shows how the XYZ color 31.2192, 24.1372, 35.8144 looks on a white background.

Color Contrast Check

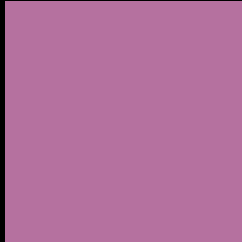
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.2192, 24.1372, 35.8144 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 31.2192, 24.1372, 35.8144

Background



This preview shows how black text looks on a background with the XYZ color 31.2192, 24.1372, 35.8144.



This preview shows how white text looks on a background with the XYZ color 31.2192, 24.1372,

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

31.2192, 24.1372, 35.8144

Protanopia

24.5254, 24.4273, 42.9575

Deuteranopia

24.8995, 24.3918, 34.8482



Tritanopia

28.6246, 24.0993, 23.5650

Trichromacy



Original Color

31.2192, 24.1372, 35.8144

Protanomaly

26.2058, 23.7686, 40.2524

Deuteranomaly

26.7458, 23.9716, 35.1156

Tritanomaly

29.3816, 24.0516, 27.5199

Monochromacy



Original Color

31.2192, 24.1372, 35.8144

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

26.4974, 24.9106, 30.6058

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2192, 24.1372, 35.8144 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(181, 113, 159)` looks like.

```
.text, #text, p{  
    color:rgb(181, 113, 159)  
}
```

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(181, 113, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 113, 159) }
```

Border

The CSS property to change the border of an element to XYZ 31.2192, 24.1372, 35.8144 is called "border". The border property can be set on classes, ids or directly on the HTML element.

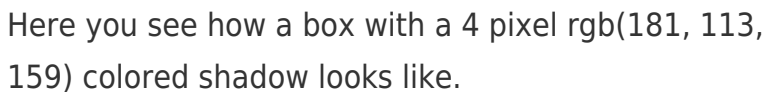
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(181, 113, 159) }
```


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

```
.border{ border-color:rgb(181, 113, 159) }
```

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



Here you see how a box with a 4 pixel `rgb(181, 113, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 113, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 113, 159);  
box-shadow:4px 4px 4px 4px rgb(181, 113,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2192, 24.1372, 35.8144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 113, 159) }
```

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

```
.background{ background-color: rgb(181,  
113, 159) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor