

Converting Colors

XYZ(31.1541, 17.6121, 37.8955)

Have a look what the booklet for
XYZ(31.1541, 17.6121, 37.8955)
contains.

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Color

**XYZ(31.2118, 17.6169,
37.8317)**

Conversions

Conversions Part 1

Format	Color
Hex	C43BA6
RGB	196, 59, 166
RGB Percent	77%, 23%, 65%
CMY	0.2314, 0.7686, 0.3490
CMYK	0.00, 0.70, 0.15, 0.23
HSL	313°, 54%, 50%
HSV	313°, 70%, 77%
XYZ	31.2118, 17.6169, 37.8317
YIQ	112.1610, 47.3050, 62.3210

Conversions

Conversions Part 2

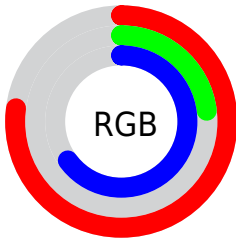
Format	Color
R_{YB}	196, 59, 166
Decimal	12860326
CIE _{Lab}	49.03, 64.66, -28.49
CIE _{LCh}	49, 70.659, 336.225
Yxy	17.6169, 0.3602, 0.2033
Android (android.graphics.Color)	4291050406 (0xFFC43BA6)
YUV	112.1610, 26.5426, 73.5268
Hunter-Lab	41.9725, 59.2852, -24.0600

Details

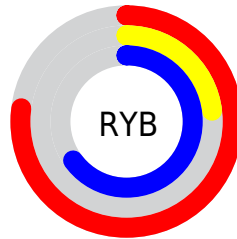
The XYZ color **31.2118, 17.6169, 37.8317** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle muted rose. A complement of this color would be **23.3477, 41.1315, 16.1616**, and the grayscale version is **15.3643, 16.1644, 17.6030**.

A 20% lighter version of the original color is **60.6524, 39.2030, 72.7768**, and **13.5185, 6.6182, 16.4845** is the 20% darker color. If you saturate the color by 10%, you get **29.9997, 15.8121, 35.5174**, and if you desaturate by 10%, it is **32.8163, 20.1848, 40.3419**.

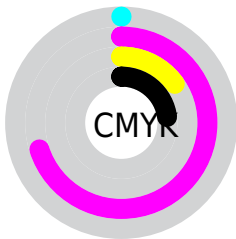
Distribution



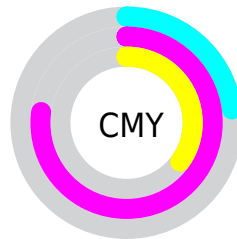
- Red (77%)
- Green (23%)
- Blue (65%)



- Red (77%)
- Yellow (23%)
- Blue (65%)



- Cyan (0%)
- Magenta (70%)
- Yellow (15%)
- Black (23%)



- Cyan (23%)
- Magenta (77%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2118, 17.6169, 37.8317 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 31.2118, 17.6169, 37.8317 by changing the saturation by 10% instead.

31.2118, 17.6169,
37.8317

31.2118, 17.6169,
37.8317

299.3224,
238.7027, 352.1740

20.9128, 10.6753,
25.5513

60.9470, 39.3834,
73.0507

13.1724, 5.8489,
16.2655

81.1138, 54.9772,
96.8263

7.6252, 2.7534,
9.5558

105.3007, 74.2237,
125.2707

3.9058, 1.0044,
5.0037

133.8729, 97.5075,
158.8025

1.6490, 0.0000,
2.1907

167.1958,
125.2129, 197.8402

0.4240, 0.0000,
0.6690

205.6348,

0.0000, 0.0000,

157.7243, 242.8023

0.0000

249.5552,
195.4261, 294.1074

■ 31.2118, 17.6169,
37.8317

■ 31.2118, 17.6169,
37.8317

■ 29.9997, 15.8121,
35.5174

■ 32.8163, 20.1848,
40.3419

■ 29.1332, 14.6779,
33.3824

■ 34.8494, 23.5891,
43.0603

■ 28.5273, 14.0443,
31.3978

■ 37.3452, 27.8973,
45.9990

■ 28.5213, 14.0383,
31.3772

■ 40.3337, 33.1694,
49.1687

■ 43.8426, 39.4603,
52.5790

■ 47.8971, 46.8205,
56.2390

■ 52.5211, 55.2974,
60.1573

■ 57.7368, 64.9354,
64.3418

■ 63.5654, 75.7766,
68.8001

Harmonies

Analogous

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



25.3979, 17.6169, 65.8323



31.2118, 17.6169, 37.8317



32.7510, 17.6169, 15.5120

Triad

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



31.2118, 17.6169, 37.8317



15.4084, 17.6169, 0.9994



8.4655, 17.6169, 49.5865

Complementary

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



31.2118, 17.6169, 37.8317



23.3477, 41.1315, 16.1616

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.



7.0470, 17.6169, 23.3891



31.2118, 17.6169, 37.8317



10.3204, 17.6169, 2.2789

Square

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



31.2118, 17.6169, 37.8317



22.3858, 17.6169, 1.4545



7.6237, 17.6169, 7.9613



12.1405, 17.6169, 75.1912

Rectangle

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



31.2118, 17.6169, 37.8317



30.8665, 17.6169, 7.2046



7.6237, 17.6169, 7.9613



7.7599, 17.6169, 40.0852

Sweetspot

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



31.2124, 17.6178, 37.8320



78.4506, 69.7310, 94.3350



15.6184, 9.2228, 53.1818



16.3976, 14.2167, 19.8150



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.



31.2124, 17.6178, 37.8320



53.4225, 27.3907, 62.2052



26.5257, 15.7431, 13.1521



10.3998, 10.2085, 12.1959



18.3592, 9.0334, 20.3355



0.8172, 0.3999, 1.0050

Inverse Universe

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



31.2124, 17.6178, 37.8320



53.4225, 27.3907, 62.2052



27.6458, 42.8508, 38.7955



10.3998, 10.2085, 12.1959



18.3592, 9.0334, 20.3355



0.8172, 0.3999, 1.0050

Previews

White Background



This preview shows how the XYZ color 31.2118, 17.6169, 37.8317 looks on a white background.

Color Contrast Check

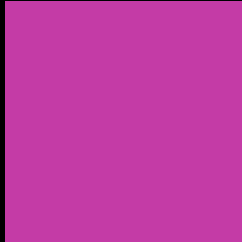
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.2118, 17.6169, 37.8317 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

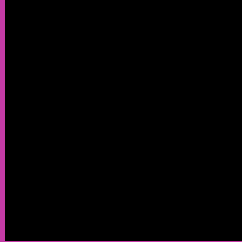
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.2118, 17.6169, 37.8317

Background



This preview shows how black text looks on a background with the XYZ color 31.2118, 17.6169, 37.8317.



This preview shows how white text looks on a background with the XYZ color 31.2118, 17.6169,

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

31.2118, 17.6169, 37.8317

Protanopia

20.3552, 18.0533, 64.6992

Deuteranopia

18.2461, 17.7943, 34.8207



Tritanopia

25.8410, 17.7099, 11.2889

Trichromacy



Original Color

31.2118, 17.6169, 37.8317



Protanomaly

20.9233, 15.5904, 53.5362



Deuteranomaly

21.1727, 16.2466, 35.7382



Tritanomaly

27.3394, 17.3650, 18.4338

Monochromacy



Original Color

31.2118, 17.6169, 37.8317



Achromatopsia

15.4009, 16.2029, 17.6450



Achromatomaly

19.4069, 15.3343, 23.7668

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2118, 17.6169, 37.8317 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(196, 59, 166)` looks like.

```
.text, #text, p{  
    color:rgb(196, 59, 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(196, 59, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 59, 166) }
```

Border

The CSS property to change the border of an element to XYZ 31.2118, 17.6169, 37.8317 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(196, 59, 166) }
```


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

```
.border{ border-color:rgb(196, 59, 166) }
```

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

Here you see how a box with a 4 pixel rgb(196, 59, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 59, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 59, 166);  
box-shadow:4px 4px 4px 4px rgb(196, 59,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2118, 17.6169, 37.8317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 59, 166) }
```

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

```
.background{ background-color: rgb(196, 59,  
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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