

Converting Colors

XYZ(31.5398, 17.5941, 36.4406)

Have a look what the booklet for
XYZ(31.5398, 17.5941, 36.4406)
contains.

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Color

**XYZ(31.5782, 17.6148,
36.3860)**

Conversions

Conversions Part 1

Format	Color
Hex	C738A3
RGB	199, 56, 163
RGB Percent	78%, 22%, 64%
CMY	0.2196, 0.7804, 0.3608
CMYK	0.00, 0.72, 0.18, 0.22
HSL	315°, 56%, 50%
HSV	315°, 72%, 78%
XYZ	31.5782, 17.6148, 36.3860
YIQ	110.9550, 50.8810, 63.5930

Conversions

Conversions Part 2

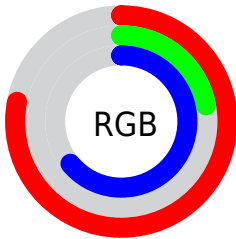
Format	Color
R _Y B	199, 56, 163
Decimal	13056163
CIE Lab	49.03, 66.02, -26.68
CIE LCh	49, 71.204, 337.998
Yxy	17.6148, 0.3690, 0.2058
Android (android.graphics.Color)	4291246243 (0xFFC738A3)
YUV	110.9550, 25.6582, 77.2155
Hunter-Lab	41.9700, 60.8558, -22.0226

Details

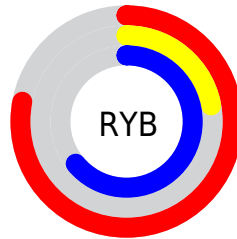
The XYZ color **31.5782, 17.6148, 36.3860** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle muted rose. A complement of this color would be **23.9870, 42.4609, 17.0586**, and the grayscale version is **15.0152, 15.7971, 17.2031**.

A 20% lighter version of the original color is **60.0256, 38.5834, 70.6133**, and **13.8537, 6.8104, 15.6233** is the 20% darker color. If you saturate the color by 10%, you get **30.3582, 15.8788, 33.8083**, and if you desaturate by 10%, it is **33.2003, 20.1260, 39.1858**.

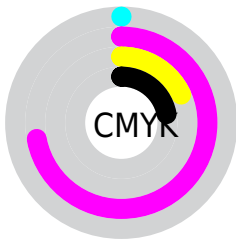
Distribution



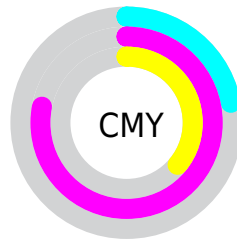
- Red (78%)
- Green (22%)
- Blue (64%)



- Red (78%)
- Yellow (22%)
- Blue (64%)



- Cyan (0%)
- Magenta (72%)
- Yellow (18%)
- Black (22%)





- Cyan (22%)
- Magenta (78%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.5782, 17.6148, 36.3860 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 31.5782, 17.6148, 36.3860 by changing the saturation by 10% instead.

 31.5782, 17.6148,
36.3860


 31.5782, 17.6148,
36.3860

300.9728,
238.6908, 345.7328

 21.1935, 10.6738,
24.4404


 61.5189, 39.3799,
70.8032


 13.3788, 5.8479,
15.4454


 81.8057, 54.9727,
94.1118


 7.7687, 2.7528,
8.9825


 106.1238, 74.2182,
122.0453

 3.9979, 1.0041,
4.6331

 134.8387, 97.5009,
155.0220

 1.7009, 0.0000,
1.9787

 168.3157,
125.2051, 193.4606

 0.4568, 0.0000,
0.5421

206.9201,

 0.0000, 0.0000,

157.7153, 237.7796

0.0000

251.0174,
195.4157, 288.3975

■ 31.5782, 17.6148,
36.3860

■ 31.5782, 17.6148,
36.3860

■ 30.3582, 15.8788,
33.8083

■ 33.2003, 20.1260,
39.1858

■ 29.4898, 14.8182,
31.4344

■ 35.2635, 23.4909,
42.2212

■ 28.9701, 14.3089,
29.6268

■ 37.8041, 27.7814,
45.5055

■ 40.8539, 33.0610,
49.0502

■ 44.4420, 39.3875,
52.8659

■ 48.5954, 46.8144,
56.9625

■ 53.3389, 55.3913,
61.3494

■ 58.6961, 65.1650,
66.0351

■ 64.6892, 76.1796,
71.0280

Harmonies

Analogous

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



25.8903, 17.6148, 64.7939



31.5782, 17.6148, 36.3860



32.8234, 17.6148, 14.5311

Triad

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



31.5782, 17.6148, 36.3860



15.0290, 17.6148, 0.9800



8.5658, 17.6148, 51.6192

Complementary

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



31.5782, 17.6148, 36.3860



23.9870, 42.4609, 17.0586

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.



7.0189, 17.6148, 24.7265



31.5782, 17.6148, 36.3860



10.0515, 17.6148, 2.3905

Square

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



31.5782, 17.6148, 36.3860



21.9921, 17.6148, 1.3330



7.4796, 17.6148, 8.4881



12.4025, 17.6148, 76.9286

Rectangle

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



31.5782, 17.6148, 36.3860



30.7250, 17.6148, 6.6311



7.4796, 17.6148, 8.4881



7.8141, 17.6148, 41.9571

Sweetspot

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



31.5788, 17.6157, 36.3863



77.4991, 68.4043, 92.2408



16.1128, 9.2155, 54.9626



16.2000, 13.9539, 19.3409



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.



31.5788, 17.6157, 36.3863



52.2625, 26.6639, 56.9062



26.8890, 15.7398, 11.6903



10.9646, 10.7692, 12.7969



18.6651, 9.2156, 19.2439



0.9116, 0.4475, 1.0579

Inverse Universe

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



31.5788, 17.6157, 36.3863



52.2625, 26.6639, 56.9062



28.6884, 44.3415, 41.8157



10.9646, 10.7692, 12.7969



18.6651, 9.2156, 19.2439



0.9116, 0.4475, 1.0579

Previews

White Background



This preview shows how the XYZ color 31.5782, 17.6148, 36.3860 looks on a white background.

Color Contrast Check

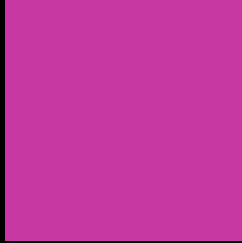
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.5782, 17.6148, 36.3860 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

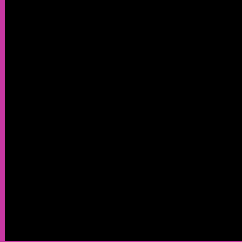
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.5782, 17.6148, 36.3860

Background



This preview shows how black text looks on a background with the XYZ color 31.5782, 17.6148, 36.3860.



This preview shows how white text looks on a background with the XYZ color 31.5782, 17.6148,

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

31.5782, 17.6148, 36.3860

Protanopia

20.2487, 18.0274, 63.3852

Deuteranopia

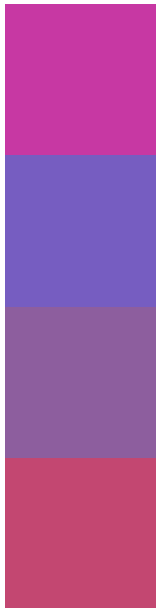
18.2315, 17.8162, 33.4883



Tritanopia

26.2466, 17.5997, 10.6081

Trichromacy



Original Color

31.5782, 17.6148, 36.3860

Protanomaly

21.0112, 15.5305, 52.3424

Deuteranomaly

21.1588, 16.1367, 34.3473

Tritanomaly

27.7396, 17.3008, 17.5001

Monochromacy



Original Color

31.5782, 17.6148, 36.3860

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

19.0980, 14.9335, 22.9950

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5782, 17.6148, 36.3860 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(199, 56, 163)` looks like.

```
.text, #text, p{  
    color:rgb(199, 56, 163)  
}
```

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(199, 56, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 56, 163) }
```

Border

The CSS property to change the border of an element to XYZ 31.5782, 17.6148, 36.3860 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(199, 56, 163) }
```


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

```
.border{ border-color:rgb(199, 56, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 56, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 56, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 56, 163);  
box-shadow:4px 4px 4px 4px rgb(199, 56,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5782, 17.6148, 36.3860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 56, 163) }
```

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

```
.background{ background-color: rgb(199, 56,  
163) }
```

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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