

Converting Colors

XYZ(31.8392, 17.4791, 31.9416)

Have a look what the booklet for
XYZ(31.8392, 17.4791, 31.9416)
contains.

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Color

**XYZ(31.8354, 17.5049,
31.8379)**

Conversions

Conversions Part 1

Format	Color
Hex	CC3399
RGB	204, 51, 153
RGB Percent	80%, 20%, 60%
CMY	0.2000, 0.8000, 0.4000
CMYK	0.00, 0.75, 0.25, 0.20
HSL	320°, 60%, 50%
HSV	320°, 75%, 80%
XYZ	31.8354, 17.5049, 31.8379
YIQ	108.3750, 58.4460, 64.1580

Conversions

Conversions Part 2

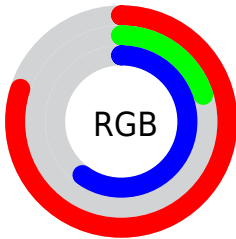
Format	Color
R_{YB}	204, 51, 153
Decimal	13382553
CIE _{Lab}	48.89, 67.54, -20.87
CIE _{LCh}	49, 70.690, 342.830
Yxy	17.5049, 0.3922, 0.2156
Android (android.graphics.Color)	4291572633 (0xFFCC3399)
YUV	108.3750, 22.0001, 83.8631
Hunter-Lab	41.8389, 62.6036, -15.8304

Details

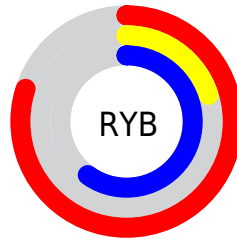
The XYZ color **31.8354, 17.5049, 31.8379** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle muted rose. A complement of this color would be **25.3574, 44.8494, 19.8931**, and the grayscale version is **14.2890, 15.0331, 16.3710**.

A 20% lighter version of the original color is **58.2967, 37.3533, 63.1688**, and **14.0753, 6.9791, 13.1756** is the 20% darker color. If you saturate the color by 10%, you get **30.5856, 15.8787, 28.7286**, and if you desaturate by 10%, it is **33.5090, 19.9273, 35.2467**.

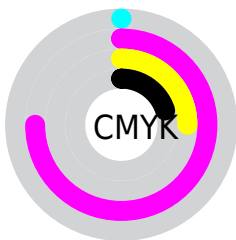
Distribution



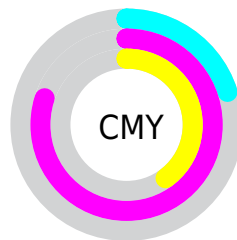
- Red (80%)
- Green (20%)
- Blue (60%)



- Red (80%)
- Yellow (20%)
- Blue (60%)



- Cyan (0%)
- Magenta (75%)
- Yellow (25%)
- Black (20%)





- Cyan (20%)
- Magenta (80%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.8354, 17.5049, 31.8379 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 31.8354, 17.5049, 31.8379 by changing the saturation by 10% instead.

 31.8354, 17.5049,
31.8379


 31.8354, 17.5049,
31.8379


302.1274,
238.0654, 324.8501


 21.3907, 10.5951,
20.9739


 61.9199, 39.1919,
63.6518

 13.5240, 5.7953,
12.9139


 82.2904, 54.7378,
85.4389


 7.8698, 2.7210,
7.2392

 106.7003, 73.9313,
111.7040

 4.0629, 0.9879,
3.5315

 135.5149, 97.1567,
142.8658

 1.7378, 0.0000,
1.3720

 169.0996,
124.7984, 179.3427

 0.4797, 0.0000,
0.1197

207.8196,

 0.0000, 0.0000,

157.2409, 221.5534

0.0000

252.0405,
194.8684, 269.9164

■ 31.8354, 17.5049,
31.8379

■ 31.8354, 17.5049,
31.8379

■ 30.5856, 15.8787,
28.7286

■ 33.5090, 19.9273,
35.2467

■ 29.7022, 14.9348,
25.8967

■ 35.6508, 23.2340,
38.9719

■ 29.3456, 14.6149,
24.5654

■ 38.3010, 27.5048,
43.0295

■ 41.4949, 32.8093,
47.4338

■ 45.2646, 39.2110,
52.1978

■ 49.6396, 46.7681,
57.3338

■ 54.6474, 55.5347,
62.8530

■ 60.3135, 65.5615,
68.7663

■ 66.6623, 76.8963,
75.0840

Harmonies

Analogous

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



26.7719, 17.5049, 59.7289



31.8354, 17.5049, 31.8379



32.2179, 17.5049, 12.1100

Triad

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



31.8354, 17.5049, 31.8379



13.9908, 17.5049, 1.0787



8.9952, 17.5049, 55.6818

Complementary

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



31.8354, 17.5049, 31.8379



25.3574, 44.8494, 19.8931

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.



7.1199, 17.5049, 28.2611



31.8354, 17.5049, 31.8379



9.4509, 17.5049, 2.9454

Square

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



31.8354, 17.5049, 31.8379



20.6466, 17.5049, 1.1864



7.2612, 17.5049, 10.2603



13.1849, 17.5049, 78.6096

Rectangle

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



31.8354, 17.5049, 31.8379



29.6485, 17.5049, 5.4162



7.2612, 17.5049, 10.2603



8.1295, 17.5049, 46.1229

Sweetspot

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



31.8360, 17.5058, 31.8382



76.8242, 68.1344, 88.6870



17.5636, 9.5533, 58.0452



16.0396, 13.8898, 18.4960



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.



31.8360, 17.5058, 31.8382



49.6842, 25.2111, 44.6285



27.4084, 15.7348, 8.5230



11.5224, 11.3377, 13.2854



18.5151, 9.2166, 15.6972



0.9895, 0.4892, 0.9905

Inverse Universe

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



31.8360, 17.5058, 31.8382



49.6842, 25.2111, 44.6285



31.0450, 47.1244, 49.8438



11.5224, 11.3377, 13.2854



18.5151, 9.2166, 15.6972



0.9895, 0.4892, 0.9905

Previews

White Background



This preview shows how the XYZ color 31.8354, 17.5049, 31.8379 looks on a white background.

Color Contrast Check

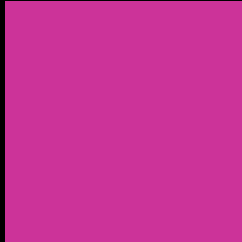
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.8354, 17.5049, 31.8379 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

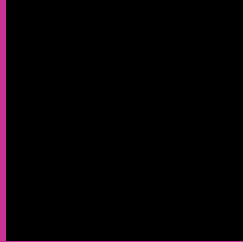
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.8354, 17.5049, 31.8379

Background



This preview shows how black text looks on a background with the XYZ color 31.8354, 17.5049, 31.8379.



This preview shows how white text looks on a background with the XYZ color 31.8354, 17.5049,

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

31.8354, 17.5049, 31.8379

Protanopia

19.7844, 17.9139, 57.6733

Deuteranopia

17.9908, 17.6257, 28.8394



Tritanopia

27.1488, 17.4678, 9.3379

Trichromacy



Original Color

31.8354, 17.5049, 31.8379



Protanomaly

20.7050, 15.2279, 47.1954



Deuteranomaly

21.0402, 15.7918, 29.5429



Tritanomaly

28.3692, 17.2164, 15.4635

Monochromacy



Original Color

31.8354, 17.5049, 31.8379



Achromatopsia

14.2537, 14.9960, 16.3306



Achromatomaly

18.3740, 14.1113, 20.8241

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8354, 17.5049, 31.8379 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(204, 51, 153)` looks like.

```
.text, #text, p{  
    color:rgb(204, 51, 153)  
}
```

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(204, 51, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 51, 153) }
```

Border

The CSS property to change the border of an element to XYZ 31.8354, 17.5049, 31.8379 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(204, 51, 153) }
```


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

```
.border{ border-color:rgb(204, 51, 153) }
```

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

Here you see how a box with a 4 pixel rgb(204, 51, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 51, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 51, 153);  
box-shadow:4px 4px 4px 4px rgb(204, 51,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8354, 17.5049, 31.8379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 51, 153) }
```

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

```
.background{ background-color: rgb(204, 51,  
153) }
```

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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