

Converting Colors

XYZ(31.6286, 17.5559, 34.6316)

Have a look what the booklet for
XYZ(31.6286, 17.5559, 34.6316)
contains.

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Color

**XYZ(31.6646, 17.5590,
34.5212)**

Conversions

Conversions Part 1

Format	Color
Hex	C9369F
RGB	201, 54, 159
RGB Percent	79%, 21%, 62%
CMY	0.2118, 0.7882, 0.3765
CMYK	0.00, 0.73, 0.21, 0.21
HSL	317°, 58%, 50%
HSV	317°, 73%, 79%
XYZ	31.6646, 17.5590, 34.5212
YIQ	109.9230, 53.9070, 63.8190

Conversions

Conversions Part 2

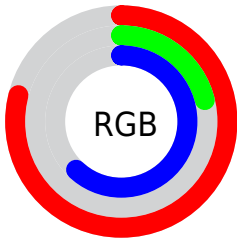
Format	Color
R _Y B	201, 54, 159
Decimal	13186719
CIE Lab	48.96, 66.63, -24.38
CIE LCh	49, 70.951, 339.901
Yxy	17.5590, 0.3781, 0.2097
Android (android.graphics.Color)	4291376799 (0xFFC9369F)
YUV	109.9230, 24.1950, 79.8745
Hunter-Lab	41.9035, 61.5535, -19.5123

Details

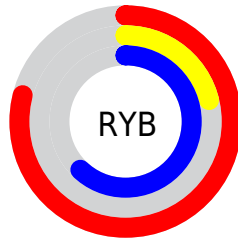
The XYZ color **31.6646, 17.5590, 34.5212** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle muted rose. A complement of this color would be **24.5203, 43.4028, 18.1536**, and the grayscale version is **14.7220, 15.4887, 16.8672**.

A 20% lighter version of the original color is **59.3949, 38.1497, 67.8515**, and **13.9815, 6.9012, 14.5051** is the 20% darker color. If you saturate the color by 10%, you get **30.4280, 15.8648, 31.7070**, and if you desaturate by 10%, it is **33.3118, 20.0369, 37.5869**.

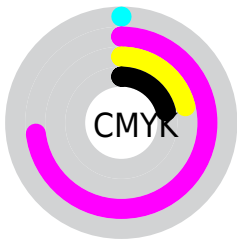
Distribution



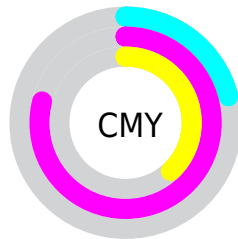
- Red (79%)
- Green (21%)
- Blue (62%)



- Red (79%)
- Yellow (21%)
- Blue (62%)



- Cyan (0%)
- Magenta (73%)
- Yellow (21%)
- Black (21%)





- Cyan (21%)
- Magenta (79%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6646, 17.5590, 34.5212 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 31.6646, 17.5590, 34.5212 by changing the saturation by 10% instead.

 31.6646, 17.5590,
34.5212


 31.6646, 17.5590,
34.5212


301.3611,
238.3735, 337.2897


 21.2597, 10.6338,
23.0137


 61.6537, 39.2844,
67.8865


 13.4275, 5.8212,
14.3982


 81.9686, 54.8535,
90.5814


 7.8026, 2.7367,
8.2562


 106.3176, 74.0726,
117.8424

 4.0197, 0.9958,
4.1692

 135.0660, 97.3262,
150.0882

 1.7133, 0.0000,
1.7186

 168.5792,
124.9987, 187.7373

 0.4645, 0.0000,
0.3735

207.2226,

 0.0000, 0.0000,

157.4745, 231.2082

0.0000

251.3614,
195.1380, 280.9195

■ 31.6646, 17.5590,
34.5212

■ 31.6646, 17.5590,
34.5212

■ 30.4280, 15.8648,
31.7070

■ 33.3118, 20.0369,
37.5869

■ 29.5490, 14.8493,
29.1245

■ 35.4107, 23.3808,
40.9187

■ 29.0887, 14.4181,
27.4629

■ 37.9990, 27.6656,
44.5309

■ 41.1100, 32.9572,
48.4361

■ 44.7738, 39.3156,
52.6457

■ 49.0185, 46.7961,
57.1703

■ 53.8698, 55.4502,
62.0201

■ 59.3522, 65.3262,
67.2045

■ 65.4887, 76.4695,
72.7324

Harmonies

Analogous

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



26.2225, 17.5590, 62.7368



31.6646, 17.5590, 34.5212



32.5676, 17.5590, 13.5268

Triad

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



31.6646, 17.5590, 34.5212



14.6014, 17.5590, 1.0156



8.7255, 17.5590, 53.1823

Complementary

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



31.6646, 17.5590, 34.5212



24.5203, 43.4028, 18.1536

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.



7.0511, 17.5590, 26.0720



31.6646, 17.5590, 34.5212



9.8019, 17.5590, 2.5962

Square

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



31.6646, 17.5590, 34.5212



21.4400, 17.5590, 1.2706



7.3849, 17.5590, 9.1532



12.6980, 17.5590, 77.5695

Rectangle

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



31.6646, 17.5590, 34.5212



30.2811, 17.5590, 6.1233



7.3849, 17.5590, 9.1532



7.9298, 17.5590, 43.5552

Sweetspot

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



31.6652, 17.5599, 34.5215



77.2161, 68.2911, 90.7503



16.6500, 9.3243, 56.1810



16.1326, 13.9270, 18.9862



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.



31.6652, 17.5599, 34.5215



51.1106, 25.9756, 51.5421



27.0811, 15.7263, 10.3819



10.9489, 10.7629, 12.7142



18.3308, 9.0819, 17.4838



0.8980, 0.4421, 0.9862

Inverse Universe

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



31.6652, 17.5599, 34.5215



51.1106, 25.9756, 51.5421



29.5843, 45.4284, 44.8204



10.9489, 10.7629, 12.7142



18.3308, 9.0819, 17.4838



0.8980, 0.4421, 0.9862

Previews

White Background



This preview shows how the XYZ color 31.6646, 17.5590, 34.5212 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 31.6646, 17.5590, 34.5212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

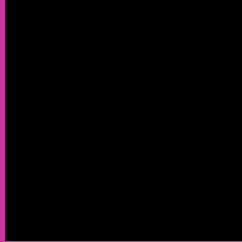
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.6646, 17.5590, 34.5212

Background



This preview shows how black text looks on a background with the XYZ color 31.6646, 17.5590, 34.5212.



This preview shows how white text looks on a background with the XYZ color 31.6646, 17.5590,

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

31.6646, 17.5590, 34.5212

Protanopia

20.1038, 17.9955, 61.4454

Deuteranopia

18.2722, 17.8753, 31.7654



Tritanopia

26.5339, 17.5426, 10.1712

Trichromacy



Original Color

31.6646, 17.5590, 34.5212



Protanomaly

20.8671, 15.3651, 50.5811



Deuteranomaly

21.2487, 16.0911, 32.5578



Tritanomaly

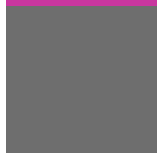
28.0233, 17.2743, 16.8962

Monochromacy



Original Color

31.6646, 17.5590, 34.5212



Achromatopsia

14.8208, 15.5926, 16.9804



Achromatomaly

18.8801, 14.7105, 22.2664

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6646, 17.5590, 34.5212 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(201, 54, 159)` looks like.

```
.text, #text, p{  
    color:rgb(201, 54, 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(201, 54, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 54, 159) }
```

Border

The CSS property to change the border of an element to XYZ 31.6646, 17.5590, 34.5212 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(201, 54, 159) }
```


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

```
.border{ border-color:rgb(201, 54, 159) }
```

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

Here you see how a box with a 4 pixel rgb(201, 54, 159) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 54, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 54, 159);  
box-shadow:4px 4px 4px 4px rgb(201, 54,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6646, 17.5590, 34.5212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 54, 159) }
```

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

```
.background{ background-color: rgb(201, 54,  
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](#).

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