

Converting Colors

XYZ(31.9600, 27.9700, 36.4123)

Have a look what the booklet for
XYZ(31.9600, 27.9700, 36.4123)
contains.

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Color

**XYZ(31.9648, 28.0044,
36.5215)**

Conversions

Conversions Part 1

Format	Color
Hex	AE849F
RGB	174, 132, 159
RGB Percent	68%, 52%, 62%
CMY	0.3176, 0.4823, 0.3765
CMYK	0.00, 0.24, 0.09, 0.32
HSL	321°, 21%, 60%
HSV	321°, 24%, 68%
XYZ	31.9648, 28.0044, 36.5215
YIQ	147.6360, 16.3650, 17.3010

Conversions

Conversions Part 2

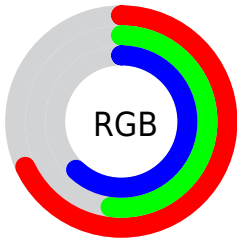
Format	Color
RYB	174, 132, 159
Decimal	11437215
CIELab	59.89, 20.58, -8.11
CIELCh	60, 22.125, 338.492
Yxy	28.0044, 0.3313, 0.2902
Android (android.graphics.Color)	4289627295 (0xFFAE849F)
YUV	147.6360, 5.6025, 23.1212
Hunter-Lab	52.9192, 15.2109, -3.8748

Details

The XYZ color **31.9648, 28.0044, 36.5215** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **29.9194, 37.2850, 33.2253**, and the grayscale version is **27.9701, 29.4268, 32.0458**.

A 20% lighter version of the original color is **62.1197, 56.3760, 71.2259**, and **13.6092, 11.1822, 15.6285** is the 20% darker color. If you saturate the color by 10%, you get **29.2735, 23.4630, 33.0303**, and if you desaturate by 10%, it is **35.0784, 33.3463, 40.2879**.

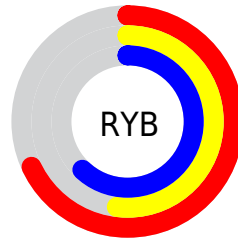
Distribution



Red (68%)

Green (52%)

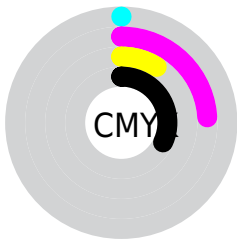
Blue (62%)



Red (68%)

Yellow (52%)

Blue (62%)

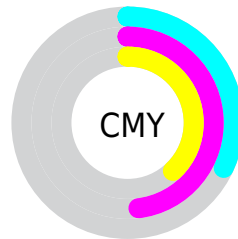


Cyan (0%)

Magenta (24%)

Yellow (9%)

Black (32%)



Cyan (32%)


Magenta (48%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.9648, 28.0044, 36.5215 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 31.9648, 28.0044, 36.5215 by changing the saturation by 10% instead.


 31.9648, 28.0044,
36.5215


 31.9648, 28.0044,
36.5215


302.7070,
292.4879, 346.3403

 21.4900, 18.3290,
24.5444


 62.1215, 56.4915,
71.0143

 13.5972, 11.1864,
15.5220


 82.5341, 76.0719,
94.3671

 7.9208, 6.1924,
9.0359


 106.9900, 99.7228,
122.3488

 4.0957, 2.9624,
4.6674

135.8546,
127.8285, 155.3779

 1.7564, 1.1121,
1.9982

169.4933,
160.7735, 193.8731

 0.4912, 0.0000,
0.5542

208.2713,

 0.0000, 0.0000,

198.9422, 238.2529

0.0000

252.5541,
242.7188, 288.9358

■ 31.9648, 28.0044,
36.5215

■ 31.9648, 28.0044,
36.5215

■ 29.2735, 23.4630,
33.0303

■ 35.0784, 33.3463,
40.2879

■ 26.9822, 19.6790,
29.8040

■ 38.6304, 39.5213,
44.3358

■ 25.0700, 16.6114,
26.8339

■ 42.6390, 46.5648,
48.6735

■ 23.5133, 14.2133,
24.1102

■ 47.1206, 54.5093,
53.3083

■ 22.2857, 12.4324,
21.6219

■ 52.0909, 63.3851,
58.2471

■ 21.3567, 11.2086,
19.3568

■ 57.5646, 73.2217,
63.4968

■ 20.6897, 10.4695,
17.3004

■ 63.5561, 84.0467,
69.0636

■ 20.3721, 10.1653,
16.1746

■ 64.6896, 85.1083,
73.1575

■ 65.4730, 85.4217,
77.2828

Harmonies

Analogous

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



30.1223, 28.0044, 44.2709



31.9648, 28.0044, 36.5215



32.3241, 28.0044, 28.2644

Triad

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



31.9648, 28.0044, 36.5215



25.8277, 28.0044, 17.6100



22.6101, 28.0044, 41.1677

Complementary

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



31.9648, 28.0044, 36.5215



29.9194, 37.2850, 33.2253

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.



21.6252, 28.0044, 32.8337



31.9648, 28.0044, 36.5215



23.3954, 28.0044, 19.9174

Square

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



31.9648, 28.0044, 36.5215



28.6469, 28.0044, 18.2468



21.9022, 28.0044, 25.1656



24.6860, 28.0044, 47.2647

Rectangle

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



31.9648, 28.0044, 36.5215



31.6517, 28.0044, 23.6927



21.9022, 28.0044, 25.1656



22.1473, 28.0044, 38.4817

Sweetspot

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



31.9656, 28.0057, 36.5221



68.0608, 68.1780, 78.1719



27.8713, 25.7353, 43.5432



15.0425, 15.0057, 17.2789



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31.9656, 28.0057, 36.5221



55.2635, 46.1925, 62.7802



30.3170, 27.3462, 27.8407



8.2138, 8.0988, 9.4366



14.8050, 7.3845, 11.8844



0.4367, 0.2154, 0.4613

Inverse Universe

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



31.9656, 28.0057, 36.5221



55.2635, 46.1925, 62.7802



31.6926, 37.9943, 42.5633



8.2138, 8.0988, 9.4366



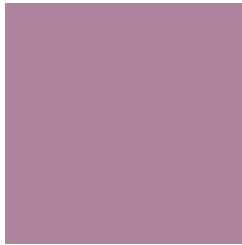
14.8050, 7.3845, 11.8844



0.4367, 0.2154, 0.4613

Previews

White Background



This preview shows how the XYZ color 31.9648, 28.0044, 36.5215 looks on a white background.

Color Contrast Check

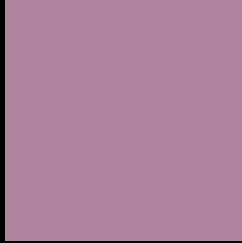
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.9648, 28.0044, 36.5215 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 31.9648, 28.0044, 36.5215

Background



This preview shows how black text looks on a background with the XYZ color 31.9648, 28.0044, 36.5215.



This preview shows how white text looks on a background with the XYZ color 31.9648, 28.0044,

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

31.9648, 28.0044, 36.5215

Protanopia

27.6899, 28.0608, 40.0333

Deuteranopia

28.7475, 28.2564, 35.8372



Tritanopia

30.6492, 27.8652, 30.5512

Trichromacy



Original Color

31.9648, 28.0044, 36.5215

Protanomaly

28.9803, 27.8819, 38.5046

Deuteranomaly

29.9580, 28.2226, 36.2163

Tritanomaly

31.1261, 27.8613, 32.5914

Monochromacy



Original Color

31.9648, 28.0044, 36.5215

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

29.2451, 28.7811, 33.7197

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9648, 28.0044, 36.5215 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(174, 132, 159)` looks like.

```
.text, #text, p{  
    color:rgb(174, 132, 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(174, 132, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 132, 159) }
```

Border

The CSS property to change the border of an element to XYZ 31.9648, 28.0044, 36.5215 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(174, 132, 159) }
```


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

```
.border{ border-color:rgb(174, 132, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 132, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 132, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 132, 159);  
box-shadow:4px 4px 4px 4px rgb(174, 132,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9648, 28.0044, 36.5215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 132, 159) }
```

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

```
.background{ background-color: rgb(174,  
132, 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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