

Converting Colors

XYZ(34.9475, 31.4649, 45.5840)

Have a look what the booklet for
XYZ(34.9475, 31.4649, 45.5840)
contains.

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Color

**XYZ(35.0644, 31.5190,
45.8307)**

Conversions

Conversions Part 1

Format	Color
Hex	AE8EB1
RGB	174, 142, 177
RGB Percent	68%, 56%, 69%
CMY	0.3176, 0.4431, 0.3059
CMYK	0.02, 0.20, 0.00, 0.31
HSL	295°, 18%, 63%
HSV	295°, 20%, 69%
XYZ	35.0644, 31.5190, 45.8307
YIQ	155.5580, 7.8370, 17.6690

Conversions

Conversions Part 2

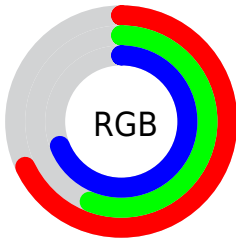
Format	Color
RYB	174, 142, 177
Decimal	11439793
CIELab	62.94, 18.33, -13.78
CIELCh	63, 22.929, 323.069
Yxy	31.5190, 0.3119, 0.2804
Android (android.graphics.Color)	4289629873 (0xFFAE8EB1)
YUV	155.5580, 10.5709, 16.1736
Hunter-Lab	56.1418, 13.2374, -9.1015

Details

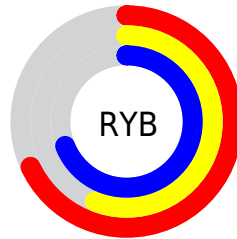
The XYZ color **35.0644, 31.5190, 45.8307** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **32.2828, 39.4178, 31.4997**, and the grayscale version is **31.3560, 32.9890, 35.9250**.

A 20% lighter version of the original color is **67.0810, 62.1860, 85.5583**, and **15.3504, 13.1745, 20.8027** is the 20% darker color. If you saturate the color by 10%, you get **32.3014, 26.4915, 45.0064**, and if you desaturate by 10%, it is **38.2513, 37.3875, 46.7959**.

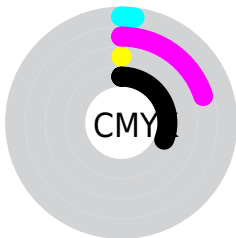
Distribution



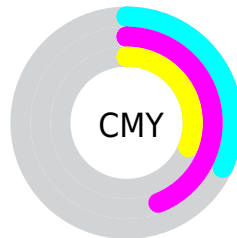
- Red (68%)
- Green (56%)
- Blue (69%)



- Red (68%)
- Yellow (56%)
- Blue (69%)



- Cyan (2%)
- Magenta (20%)
- Yellow (0%)
- Black (31%)





- Cyan (32%)
- Magenta (44%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.0644, 31.5190, 45.8307 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 35.0644, 31.5190, 45.8307 by changing the saturation by 10% instead.


 35.0644, 31.5190,
45.8307


 35.0644, 31.5190,
45.8307


316.3555,
308.9223, 386.3854

 23.8792, 20.9944,
31.7645


 66.9189, 62.0563,
85.2972

 15.3683, 13.1199,
20.9184

 88.3189, 82.8377,
111.5346

 9.1663, 7.5112,
12.8737


 113.8546,
107.8069, 142.6662

 4.9078, 3.7838,
7.2119

143.8913,
137.3481, 179.1104

 2.2275, 1.5534,
3.5145

178.7944,
171.8459, 221.2859

 0.7571, 0.3258,
1.3630

218.9293,

 0.0000, 0.0000,

211.6846, 269.6113

0.1126

264.6612,
257.2486, 324.5049

■ 0.0000, 0.0000,
0.0000

■ 35.0644, 31.5190,
45.8307

■ 35.0644, 31.5190,
45.8307

■ 32.3014, 26.4915,
45.0064

■ 38.2513, 37.3875,
46.7959

■ 29.9398, 22.2616,
44.3144

■ 41.8776, 44.1298,
47.9062

■ 27.9592, 18.7880,
43.7483

■ 45.9615, 51.7818,
49.1679

■ 26.3363, 16.0243,
43.3004

■ 50.5196, 60.3762,
50.5866

■ 25.0453, 13.9187,
42.9620

■ 55.5673, 69.9440,
52.1673

■ 24.0569, 12.4127,
42.7234

■ 61.1194, 80.5150,
53.9151

■ 23.3364, 11.4372,
42.5731

■ 63.6122, 84.9616,
54.6420

■ 22.8131, 10.8503,
42.4874

■ 63.9792, 85.1508,
54.6592

■ 22.8017, 10.8380,
42.4856

■ 64.3501, 85.3420,
54.6765

Harmonies

Analogous

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



32.3942, 31.5190, 52.8774



35.0644, 31.5190, 45.8307



36.3809, 31.5190, 36.4546

Triad

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



35.0644, 31.5190, 45.8307



30.6946, 31.5190, 19.8200



24.7243, 31.5190, 41.5737

Complementary

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



35.0644, 31.5190, 45.8307



32.2828, 39.4178, 31.4997

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.



24.3391, 31.5190, 32.2681



35.0644, 31.5190, 45.8307



27.6469, 31.5190, 20.7069

Square

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



35.0644, 31.5190, 45.8307



33.7460, 31.5190, 22.2376



25.3729, 31.5190, 24.9167



26.4644, 31.5190, 50.1342

Rectangle

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



35.0644, 31.5190, 45.8307



36.2529, 31.5190, 30.5443



25.3729, 31.5190, 24.9167



24.4373, 31.5190, 38.3922

Sweetspot

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



35.0654, 31.5204, 45.8314



70.7960, 71.2049, 84.5079



29.2944, 29.3306, 45.7129



15.2559, 15.2702, 18.2877



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.



35.0654, 31.5204, 45.8314



60.4126, 52.0918, 81.3659



34.4163, 31.3388, 38.8864



8.7768, 8.6090, 10.7054



16.5458, 7.8655, 30.7831



0.5415, 0.2583, 0.9695

Inverse Universe

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



32.9164, 30.7388, 30.9878



55.8412, 50.4354, 49.5145



32.8793, 39.5962, 37.3636



8.5250, 8.5167, 8.9969



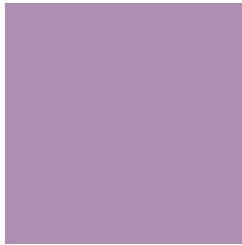
13.2103, 6.8017, 1.0012



0.4253, 0.2179, 0.0824

Previews

White Background



This preview shows how the XYZ color 35.0644, 31.5190, 45.8307 looks on a white background.

Color Contrast Check

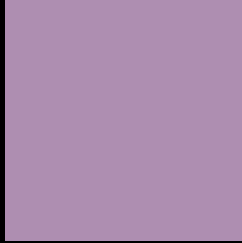
Large Text (above 18pt) WCAG AA × Fail

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 35.0644, 31.5190, 45.8307 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 ✓ Pass

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

XYZ 35.0644, 31.5190, 45.8307

Background



This preview shows how black text looks on a background with the XYZ color 35.0644, 31.5190, 45.8307.



This preview shows how white text looks on a background with the XYZ color 35.0644, 31.5190,

45.8307.

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

35.0644, 31.5190, 45.8307

Protanopia

31.4679, 31.6631, 49.2528

Deuteranopia

32.2942, 31.6974, 45.4904



Tritanopia

33.1593, 31.6500, 36.2597

Trichromacy



Original Color

35.0644, 31.5190, 45.8307

Protanomaly

32.6407, 31.5839, 48.0920

Deuteranomaly

33.2196, 31.4789, 45.3995

Tritanomaly

33.8395, 31.7018, 39.4575

Monochromacy



Original Color

35.0644, 31.5190, 45.8307

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

32.8717, 32.6001, 39.6819

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.0644, 31.5190, 45.8307 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, 142, 177)` looks like.

```
.text, #text, p{  
    color:rgb(174, 142, 177)  
}
```

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, 142, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 142, 177) }
```

Border

The CSS property to change the border of an element to XYZ 35.0644, 31.5190, 45.8307 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, 142, 177) }
```


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

```
.border{ border-color:rgb(174, 142, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 142, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 142, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 142, 177);  
box-shadow:4px 4px 4px 4px rgb(174, 142,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 35.0644, 31.5190, 45.8307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 142, 177) }
```

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

```
.background{ background-color: rgb(174,  
142, 177) }
```

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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