

Converting Colors

XYZ(35.2327, 29.5815, 55.0690)

Have a look what the booklet for
XYZ(35.2327, 29.5815, 55.0690)
contains.

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Color

**XYZ(35.1384, 29.4408,
54.8696)**

Conversions

Conversions Part 1

Format	Color
Hex	AC85C2
RGB	172, 133, 194
RGB Percent	67%, 52%, 76%
CMY	0.3255, 0.4784, 0.2392
CMYK	0.11, 0.31, 0.00, 0.24
HSL	278°, 33%, 64%
HSV	278°, 31%, 76%
XYZ	35.1384, 29.4408, 54.8696
YIQ	151.6150, 3.6630, 27.2390

Conversions

Conversions Part 2

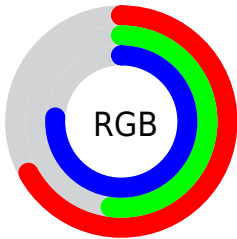
Format	Color
R _Y B	172, 133, 194
Decimal	11306434
CIE Lab	61.17, 26.23, -26.11
CIE LCh	61, 37.007, 315.137
Yxy	29.4408, 0.2942, 0.2465
Android (android.graphics.Color)	4289496514 (0xFFAC85C2)
YUV	151.6150, 20.8958, 17.8776
Hunter-Lab	54.2594, 20.6428, -21.9752

Details

The XYZ color **35.1384, 29.4408, 54.8696** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **37.0440, 47.2464, 29.3587**, and the grayscale version is **29.5919, 31.1330, 33.9039**.

A 20% lighter version of the original color is **67.1778, 58.9997, 99.1142**, and **15.4346, 12.0019, 26.3140** is the 20% darker color. If you saturate the color by 10%, you get **31.2285, 23.8404, 53.9951**, and if you desaturate by 10%, it is **39.6217, 36.0664, 55.9126**.

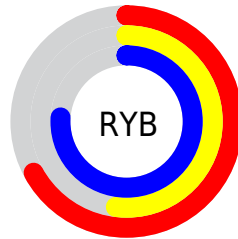
Distribution



Red (67%)

Green (52%)

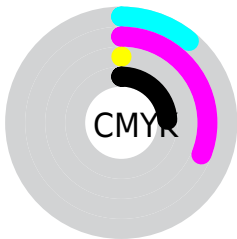
Blue (76%)



Red (67%)

Yellow (52%)

Blue (76%)

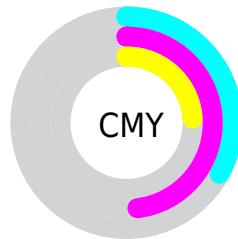


Cyan (11%)

Magenta (31%)

Yellow (0%)

Black (24%)



Cyan (33%)

Magenta (48%)


Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.1384, 29.4408, 54.8696 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 35.1384, 29.4408, 54.8696 by changing the saturation by 10% instead.


 35.1384, 29.4408,
54.8696


 35.1384, 29.4408,
54.8696


316.6761,
299.2891, 422.6854


 23.9365, 19.4145,
38.8994

 67.0327, 58.7767,
98.8191

 15.4110, 11.9702,
26.3743


 88.4559, 78.8551,
127.6355

 9.1965, 6.7234,
16.8756


 114.0168,
103.0531, 161.5711

 4.9277, 3.2897,
9.9848

144.0810,
131.7549, 201.0444

 2.2392, 1.2848,
5.2834

179.0136,
165.3450, 246.4739

 0.7633, 0.1294,
2.3529

219.1801,

 0.0000, 0.0000,

204.2078, 298.2783

0.7606

264.9458,
248.7277, 356.8759

■ 0.0000, 0.0000,
0.0000

■ 35.1384, 29.4408,
54.8696

■ 35.1384, 29.4408,
54.8696

■ 31.2285, 23.8404,
53.9951

■ 39.6217, 36.0664,
55.9126

■ 27.8606, 19.2067,
53.2783

■ 44.7015, 43.7641,
57.1307

■ 25.0050, 15.4810,
52.7096

■ 50.4034, 52.5822,
58.5323

■ 22.6272, 12.5965,
52.2782

■ 56.7502, 62.5650,
60.1246

■ 20.6881, 10.4769,
51.9713

■ 63.7639, 73.7545,
61.9147

■ 19.1411, 9.0312,
51.7738

■ 71.4650, 86.1902,
63.9092

■ 18.0545, 8.1826,
51.6672

■ 75.3103, 90.7840,
64.5932

■ 77.4851, 91.9052,
64.6950

■ 79.7498, 93.0727,
64.8010

Harmonies

Analogous

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



30.4930, 29.4408, 65.4301



35.1384, 29.4408, 54.8696



38.0156, 29.4408, 39.4187

Triad

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



35.1384, 29.4408, 54.8696



30.4475, 29.4408, 12.5299



19.9004, 29.4408, 39.5603

Complementary

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



35.1384, 29.4408, 54.8696



37.0440, 47.2464, 29.3587

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.



19.8912, 29.4408, 25.6724



35.1384, 29.4408, 54.8696



25.6139, 29.4408, 12.5476

Square

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



35.1384, 29.4408, 54.8696



35.1018, 29.4408, 16.5889



21.8709, 29.4408, 16.6471



21.8976, 29.4408, 54.9987

Rectangle

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



35.1384, 29.4408, 54.8696



38.3539, 29.4408, 29.7204



21.8709, 29.4408, 16.6471



19.6729, 29.4408, 34.5110

Sweetspot

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



35.1394, 29.4420, 54.8702



83.2607, 82.7789, 104.0594



31.1941, 32.4478, 55.6584



17.9104, 17.6318, 22.7092



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.



35.1394, 29.4420, 54.8702



58.4869, 45.8909, 98.2450



39.4853, 31.7851, 50.4348



10.1336, 10.0600, 12.6925



11.9625, 5.4273, 33.9737



0.5900, 0.2722, 1.4713

Inverse Universe

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



36.5531, 30.6122, 34.9939



61.7007, 48.4978, 55.4671



33.7834, 45.4980, 32.2541



10.2200, 10.1366, 11.2488



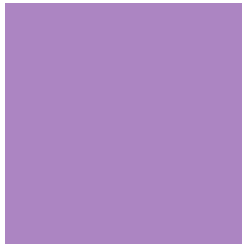
15.3897, 7.8456, 4.6982



0.6981, 0.3523, 0.3776

Previews

White Background



This preview shows how the XYZ color 35.1384, 29.4408, 54.8696 looks on a white background.

Color Contrast Check

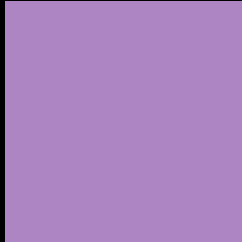
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.1384, 29.4408, 54.8696 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

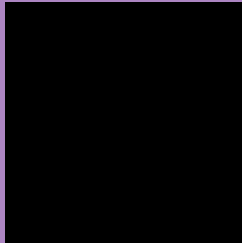
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 35.1384, 29.4408, 54.8696

Background



This preview shows how black text looks on a background with the XYZ color 35.1384, 29.4408, 54.8696.



This preview shows how white text looks on a background with the XYZ color 35.1384, 29.4408,

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

35.1384, 29.4408, 54.8696

Protanopia

30.5380, 29.7427, 61.2581

Deuteranopia

30.2873, 29.5455, 53.9757



Tritanopia

30.9183, 29.4237, 33.7555

Trichromacy



Original Color

35.1384, 29.4408, 54.8696

Protanomaly

31.8043, 29.3309, 58.6287

Deuteranomaly

31.9130, 29.4793, 54.4602

Tritanomaly

32.2120, 29.2918, 40.5153

Monochromacy



Original Color

35.1384, 29.4408, 54.8696

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

31.3985, 30.4117, 40.7744

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.1384, 29.4408, 54.8696 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(172, 133, 194)` looks like.

```
.text, #text, p{  
    color:rgb(172, 133, 194)  
}
```

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(172, 133, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 133, 194) }
```

Border

The CSS property to change the border of an element to XYZ 35.1384, 29.4408, 54.8696 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(172, 133, 194) }
```


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

```
.border{ border-color:rgb(172, 133, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 133, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 133, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 133, 194);  
box-shadow:4px 4px 4px 4px rgb(172, 133,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 35.1384, 29.4408, 54.8696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 133, 194) }
```

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

```
.background{ background-color: rgb(172,  
133, 194) }
```

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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