

Converting Colors

XYZ(56.1980, 49.6368, 84.3445)

Have a look what the booklet for
XYZ(56.1980, 49.6368, 84.3445)
contains.

XYZ(56.2818, 49.7679, 84.4817)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(56.2818, 49.7679,
84.4817)**

Conversions

Conversions Part 1

Format	Color
Hex	D1AEEA
RGB	209, 174, 234
RGB Percent	82%, 68%, 92%
CMY	0.1804, 0.3176, 0.0823
CMYK	0.11, 0.26, 0.00, 0.08
HSL	275°, 59%, 80%
HSV	275°, 26%, 92%
XYZ	56.2818, 49.7679, 84.4817
YIQ	191.3050, 1.6000, 26.0800

Conversions

Conversions Part 2

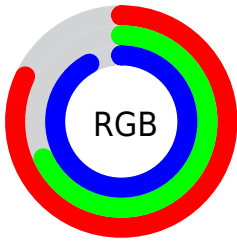
Format	Color
R _Y B	209, 174, 234
Decimal	13741802
CIE Lab	75.93, 23.63, -25.29
CIE LCh	76, 34.611, 313.065
Yxy	49.7679, 0.2954, 0.2612
Android (android.graphics.Color)	4291931882 (0xFFD1AE EA)
YUV	191.3050, 21.0486, 15.5185
Hunter-Lab	70.5464, 18.9509, -21.6194

Details

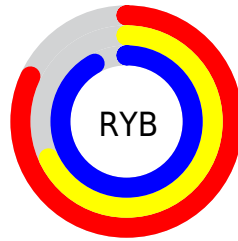
The XYZ color **56.2818, 49.7679, 84.4817** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **60.6177, 74.0450, 51.1439**, and the grayscale version is **49.5805, 52.1626, 56.8051**.

A 20% lighter version of the original color is **87.5868, 85.0736, 106.4123**, and **28.1997, 23.7591, 45.2192** is the 20% darker color. If you saturate the color by 10%, you get **49.4745, 40.1232, 82.9797**, and if you desaturate by 10%, it is **64.0486, 61.0787, 86.2563**.

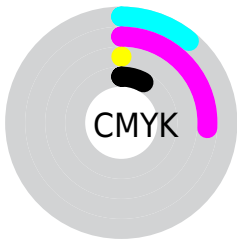
Distribution



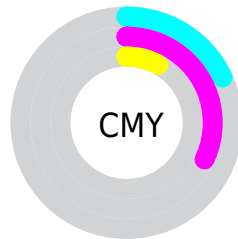
- Red (82%)
- Green (68%)
- Blue (92%)



- Red (82%)
- Yellow (68%)
- Blue (92%)



- Cyan (11%)
- Magenta (26%)
- Yellow (0%)
- Black (8%)





- Cyan (18%)
- Magenta (32%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.2818, 49.7679, 84.4817 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 56.2818, 49.7679, 84.4817 by changing the saturation by 10% instead.


 56.2818, 49.7679,
84.4817

 56.2818, 49.7679,
84.4817


400.8105,
385.7576, 530.0113

 40.6668, 35.2290,
62.8655


 98.5539, 89.8309,
141.5165

 28.2453, 23.8393,
45.2921

125.9417,
116.1238, 177.7723

 18.6521, 15.2145,
31.3430


157.9845,
147.1035, 219.7449

 11.5217, 8.9701,
20.5995

195.0476,
183.1543, 267.8531

 6.4887, 4.7217,
12.6432

237.4964,
224.6608, 322.5153

 3.1879, 2.0849,
7.0555

285.6962,

 1.2539, 0.6561,

272.0072, 384.1500

3.4178

340.0125,
325.5780, 453.1758

■ 0.1483, 0.0000,
1.3117

■ 0.0000, 0.0000,
0.0714

■ 56.2818, 49.7679,
84.4817

■ 56.2818, 49.7679,
84.4817

■ 49.4745, 40.1232,
82.9797

■ 64.0486, 61.0787,
86.2563

■ 43.5781, 32.0552,
81.7331

■ 72.8109, 74.1267,
88.3130

■ 38.5466, 25.4753,
80.7283

■ 82.6086, 88.9862,
90.6648

■ 34.3275, 20.2834,
79.9485

■ 89.3239, 97.4176,
91.9383

■ 30.8621, 16.3667,
79.3752

■ 91.8514, 98.7206,
92.0566

■ 28.0822, 13.5937,
78.9864

■ 25.9042, 11.8029,
78.7556

■ 25.0859, 11.2167,
78.6855

Harmonies

Analogous

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



50.1607, 49.7679, 96.6471



56.2818, 49.7679, 84.4817



60.1794, 49.7679, 65.2009

Triad

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



56.2818, 49.7679, 84.4817



51.0061, 49.7679, 26.8288



36.2265, 49.7679, 62.6166

Complementary

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



56.2818, 49.7679, 84.4817



60.6177, 74.0450, 51.1439

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.



36.4082, 49.7679, 44.4922



56.2818, 49.7679, 84.4817



44.5557, 49.7679, 26.4424

Square

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



56.2818, 49.7679, 84.4817



56.9489, 49.7679, 33.3833



39.3337, 49.7679, 32.1711



38.8127, 49.7679, 82.2233

Rectangle

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



56.2818, 49.7679, 84.4817



60.7917, 49.7679, 52.3125



39.3337, 49.7679, 32.1711



35.9734, 49.7679, 56.1094

Sweetspot

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



56.2834, 49.7700, 84.4828



85.8255, 86.0912, 106.7015



52.9630, 56.2497, 85.9085



18.0183, 17.9012, 22.7556



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.



56.2834, 49.7700, 84.4828



63.7087, 53.7904, 101.6325



63.3520, 53.4797, 81.8474



15.0731, 14.9829, 19.0198



14.2433, 6.3786, 44.2235



1.2276, 0.5571, 3.4777

Inverse Universe

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



59.3782, 51.8901, 60.9212



68.2503, 56.8890, 67.6325



54.9160, 71.0599, 52.9433



15.3258, 15.1582, 17.0009



20.3529, 10.3438, 7.6595



1.6451, 0.8310, 0.8487

Previews

White Background



This preview shows how the XYZ color 56.2818, 49.7679, 84.4817 looks on a white background.

Color Contrast Check

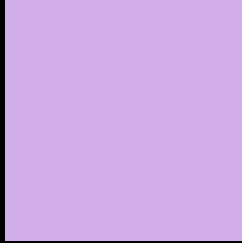
Large Text (above 18pt) WCAG AA × Fail

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 56.2818, 49.7679, 84.4817 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

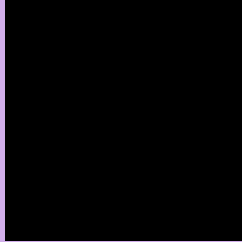
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.2818, 49.7679, 84.4817

Background



This preview shows how black text looks on a background with the XYZ color 56.2818, 49.7679, 84.4817.



This preview shows how white text looks on a background with the XYZ color 56.2818, 49.7679, 84.4817.

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

56.2818, 49.7679, 84.4817

Protanopia

50.3892, 49.8794, 90.9763

Deuteranopia

51.0274, 49.7604, 83.2592



Tritanopia

51.0028, 49.6844, 58.5317

Trichromacy



Original Color

56.2818, 49.7679, 84.4817

Protanomaly

52.1114, 49.5940, 88.4874

Deuteranomaly

52.7675, 49.7322, 83.9089

Tritanomaly

52.6059, 49.4234, 67.0886

Monochromacy



Original Color

56.2818, 49.7679, 84.4817

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

51.9001, 51.2087, 66.1803

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.2818, 49.7679, 84.4817 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(209, 174, 234)` looks like.

```
.text, #text, p{  
    color:rgb(209, 174, 234)  
}
```

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(209, 174, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 174, 234) }
```

Border

The CSS property to change the border of an element to XYZ 56.2818, 49.7679, 84.4817 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(209, 174, 234) }
```


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

```
.border{ border-color:rgb(209, 174, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 174, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 174, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 174, 234);  
box-shadow:4px 4px 4px 4px rgb(209, 174,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 56.2818, 49.7679, 84.4817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 174, 234) }
```

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

```
.background{ background-color: rgb(209,  
174, 234) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor