

# Converting Colors

XYZ(34.4379, 26.5083, 57.3065)

Have a look what the booklet for  
XYZ(34.4379, 26.5083, 57.3065)  
contains.

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# Color

**XYZ(34.4808, 26.5551,  
57.3411)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AE78C7
RGB	174, 120, 199
RGB Percent	68%, 47%, 78%
CMY	0.3176, 0.5294, 0.2196
CMYK	0.13, 0.40, 0.00, 0.22
HSL	281°, 41%, 63%
HSV	281°, 40%, 78%
XYZ	34.4808, 26.5551, 57.3411
YIQ	145.1520, 6.8250, 36.0170

# Conversions

## Conversions Part 2

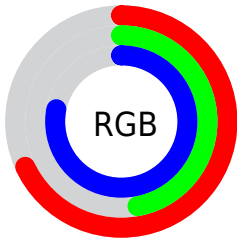
<b>Format</b>	<b>Color</b>
<b>RYB</b>	174, 120, 199
Decimal	11434183
CIELab	58.56, 35.22, -32.96
CIELCh	59, 48.236, 316.901
Yxy	26.5551, 0.2913, 0.2243
Android (android.graphics.Color)	4289624263 (0xFFAE78C7)
YUV	145.1520, 26.5471, 25.2997
Hunter-Lab	51.5316, 29.2574, -29.9020

# Details

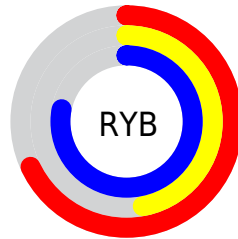
The XYZ color **34.4808, 26.5551, 57.3411** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **35.4914, 48.2232, 25.2078**, and the grayscale version is **26.8697, 28.2690, 30.7850**.

A 20% lighter version of the original color is **65.9486, 54.0961, 101.5735**, and **15.0467, 10.4177, 28.0058** is the 20% darker color. If you saturate the color by 10%, you get **30.9615, 21.5502, 56.5610**, and if you desaturate by 10%, it is **38.5650, 32.5908, 58.2913**.

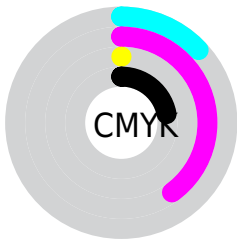
# Distribution



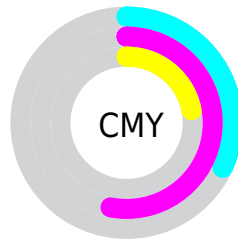
- Red (68%)
- Green (47%)
- Blue (78%)



- Red (68%)
- Yellow (47%)
- Blue (78%)



- Cyan (13%)
- Magenta (40%)
- Yellow (0%)
- Black (22%)




- Cyan (32%)
- Magenta (53%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.4808, 26.5551, 57.3411 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 34.4808, 26.5551, 57.3411 by changing the saturation by 10% instead.





 34.4808, 26.5551,  
57.3411


 34.4808, 26.5551,  
57.3411


313.8190,  
285.4965, 432.2557

 23.4278, 17.2394,  
40.8680


 66.0200, 54.1691,  
102.4680

 15.0322, 10.4053,  
27.8970


 87.2369, 73.2362,  
131.9589

 8.9284, 5.6685,  
18.0097


 112.5726, 96.3225,  
166.6260

 4.7513, 2.6446,  
10.7874

142.3923,  
123.8125, 206.8881

 2.1353, 0.9491,  
5.8117

177.0615,  
156.0904, 253.1635

 0.7083, 0.0000,  
2.6640

216.9454,

 0.0000, 0.0000,

193.5408, 305.8709

0.9252

262.4094,  
236.5481, 365.4288

■ 0.0000, 0.0000,  
0.0000

■ 34.4808, 26.5551,  
57.3411

■ 34.4808, 26.5551,  
57.3411

■ 30.9615, 21.5502,  
56.5610

■ 38.5650, 32.5908,  
58.2913

■ 27.9725, 17.5101,  
55.9387

■ 43.2406, 39.7111,  
59.4192

■ 25.4793, 14.3665,  
55.4633

■ 48.5357, 47.9701,  
60.7343

■ 23.4415, 12.0404,  
55.1217

■ 54.4755, 57.4171,  
62.2447

■ 21.8118, 10.4382,  
54.8984

■ 61.0840, 68.0987,  
63.9581

■ 20.5041, 9.3891,  
54.7648

■ 68.3836, 80.0586,  
65.8819

■ 20.4665, 9.3600,  
54.7612

■ 75.0074, 90.5619,  
67.5601

■ 76.9276, 91.5518,  
67.6500

■ 78.9202, 92.5791,  
67.7432

# Harmonies

## Analogous

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



28.6901, 26.5551, 72.5745



34.4808, 26.5551, 57.3411



38.0059, 26.5551, 36.9352

# Triad

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



34.4808, 26.5551, 57.3411



27.9040, 26.5551, 7.3872



15.8528, 26.5551, 39.4463

# Complementary

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



34.4808, 26.5551, 57.3411



35.4914, 48.2232, 25.2078

# 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.



15.7100, 26.5551, 22.1472



34.4808, 26.5551, 57.3411



22.0779, 26.5551, 7.6146

# Square

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



34.4808, 26.5551, 57.3411



33.8284, 26.5551, 11.0650



17.8177, 26.5551, 11.8897



18.2439, 26.5551, 59.7858



# Rectangle

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



34.4808, 26.5551, 57.3411



38.2869, 26.5551, 25.1767



17.8177, 26.5551, 11.8897



15.5550, 26.5551, 33.0040

# Sweetspot

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



34.4817, 26.5562, 57.3417



82.5800, 80.2160, 105.7385



28.1834, 28.3736, 58.0244



17.4067, 16.7486, 22.5653



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.



34.4817, 26.5562, 57.3417



54.7805, 38.5252, 99.1566



38.9764, 29.0584, 49.1871



10.7441, 10.6418, 13.4053



13.2544, 6.0671, 35.2168



0.7002, 0.3247, 1.6709



# Inverse Universe

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



35.3813, 27.6204, 30.2555



56.9554, 40.8788, 43.5836



32.5069, 46.5753, 30.0091



10.7698, 10.6913, 11.7713



15.7571, 8.0524, 3.9308

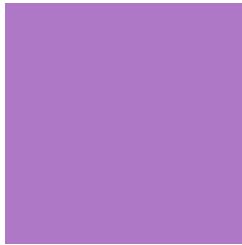


0.7793, 0.3945, 0.3608



# Previews

## White Background



This preview shows how the XYZ color 34.4808, 26.5551, 57.3411 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

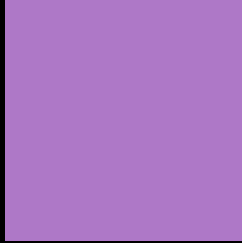
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 34.4808, 26.5551, 57.3411 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

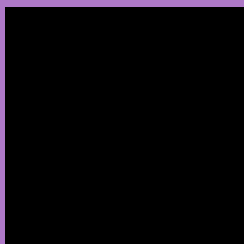
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 34.4808, 26.5551, 57.3411**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.4808, 26.5551, 57.3411.



This preview shows how white text looks on a background with the XYZ color 34.4808, 26.5551,



# 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

34.4808, 26.5551, 57.3411

### Protanopia

28.4404, 26.9651, 67.3241

### Deuteranopia

27.2513, 26.6163, 55.3309



## Tritanopia

28.6508, 26.4549, 29.1874

# Trichromacy



## Original Color

34.4808, 26.5551, 57.3411

## Protanomaly

29.9132, 26.3402, 63.8292

## Deuteranomaly

29.3704, 26.2388, 55.7412

## Tritanomaly

30.4785, 26.4075, 38.1411

# Monochromacy



## Original Color

34.4808, 26.5551, 57.3411

## Achromatopsia

26.9133, 28.3149, 30.8349

## Achromatomaly

29.3060, 27.3929, 39.3401

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.4808, 26.5551, 57.3411 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, 120, 199)` looks like.

```
.text, #text, p{  
    color:rgb(174, 120, 199)  
}
```

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, 120, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 120, 199) }
```

## Border

The CSS property to change the border of an element to XYZ 34.4808, 26.5551, 57.3411 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, 120, 199) }
```



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

```
.border{ border-color:rgb(174, 120, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 120, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(174, 120, 199); -webkit-box-shadow:4px 4px 4px 4px rgb(174, 120, 199); box-shadow:4px 4px 4px 4px rgb(174, 120, 199) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.4808, 26.5551, 57.3411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 120, 199) }
```

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

```
.background{ background-color: rgb(174,  
120, 199) }
```

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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