

Converting Colors

XYZ(34.6969, 18.2795, 86.4946)

Have a look what the booklet for
XYZ(34.6969, 18.2795, 86.4946)
contains.

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Color

**XYZ(34.7040, 18.2678,
86.4910)**

Conversions

Conversions Part 1

Format	Color
Hex	AC3AF3
RGB	172, 58, 243
RGB Percent	67%, 23%, 95%
CMY	0.3255, 0.7725, 0.0471
CMYK	0.29, 0.76, 0.00, 0.05
HSL	277°, 89%, 59%
HSV	277°, 76%, 95%
XYZ	34.7040, 18.2678, 86.4910
YIQ	113.1760, 8.5590, 81.7030

Conversions

Conversions Part 2

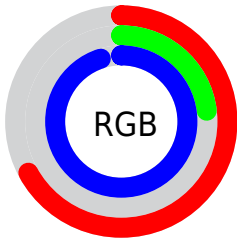
Format	Color
R _Y B	172, 58, 243
Decimal	11287283
CIE Lab	49.82, 73.67, -71.74
CIE LCh	50, 102.829, 315.757
Yxy	18.2678, 0.2488, 0.1310
Android (android.graphics.Color)	4289477363 (0xFFAC3AF3)
YUV	113.1760, 64.0032, 51.5886
Hunter-Lab	42.7408, 70.1390, -90.0615

Details

The XYZ color **34.7040, 18.2678, 86.4910** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed purple. A complement of this color would be **41.8676, 69.0740, 15.1292**, and the grayscale version is **15.5634, 16.3739, 17.8311**.

A 20% lighter version of the original color is **57.6900, 37.0984, 98.7278**, and **15.6730, 7.0559, 46.9902** is the 20% darker color. If you saturate the color by 10%, you get **31.7796, 15.3507, 86.0824**, and if you desaturate by 10%, it is **38.3512, 22.4149, 87.0996**.

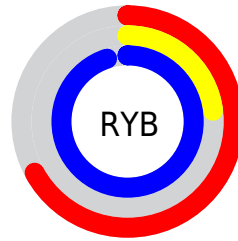
Distribution



Red (67%)

Green (23%)

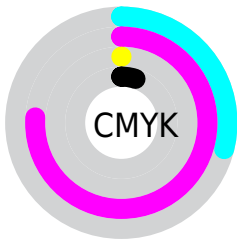
Blue (95%)



Red (67%)

Yellow (23%)

Blue (95%)

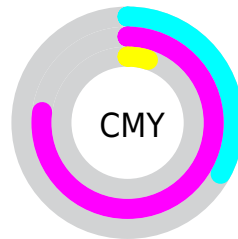


Cyan (29%)

Magenta (76%)

Yellow (0%)

Black (5%)



Cyan (33%)


Magenta (77%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.7040, 18.2678, 86.4910 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 34.7040, 18.2678, 86.4910 by changing the saturation by 10% instead.


 34.7040, 18.2678,
86.4910


 34.7040, 18.2678,
86.4910


314.7908,
242.3762, 536.8216


 23.6004, 11.1424,
64.5168


 66.3640, 40.4931,
144.3471

 15.1606, 6.1627,
46.6206


 87.6511, 56.3619,
181.0661


 9.0192, 2.9443,
32.3836


 113.0635, 75.9138,
223.5371

 4.8109, 1.1027,
21.3874

 142.9664, 99.5335,
272.1787

 2.1704, 0.0000,
13.2135

 177.7252,
127.6051, 327.4094

 0.7271, 0.0000,
7.4433

217.7053,

 0.0000, 0.0000,

160.5132, 389.6477

3.6582

263.2721,
198.6421, 459.3123

■ 0.0000, 0.0000,
1.4398

■ 0.0000, 0.0000,
0.1725

■ 34.7040, 18.2678,
86.4910

■ 34.7040, 18.2678,
86.4910

■ 31.7796, 15.3507,
86.0824

■ 38.3512, 22.4149,
87.0996

■ 29.4832, 13.4818,
85.8427

■ 42.7932, 27.9353,
87.9310

■ 28.7084, 12.9309,
85.7772

■ 48.0951, 34.9541,
89.0063

■ 54.3139, 43.5811,
90.3438

61.5014, 53.9160,
91.9598

69.7050, 66.0499,
93.8695

78.9689, 80.0675,
96.0869

89.3345, 96.0479,
98.6251

93.1777, 99.2511,
99.0408

Harmonies

Analogous

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



23.0111, 18.2678, 130.5016



34.7040, 18.2678, 86.4910



42.8439, 18.2678, 36.3797

Triad

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



34.7040, 18.2678, 86.4910



22.4346, 18.2678, 0.0000



4.7941, 18.2678, 38.4831

Complementary

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



34.7040, 18.2678, 86.4910



41.8676, 69.0740, 15.1292

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.



4.7396, 18.2678, 9.3329



34.7040, 18.2678, 86.4910



12.7241, 18.2678, 0.0000

Square

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



34.7040, 18.2678, 86.4910



34.1472, 18.2678, 0.8551



7.0457, 18.2678, 0.9896



7.2409, 18.2678, 89.2107

Rectangle

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



34.7040, 18.2678, 86.4910



43.7358, 18.2678, 14.9448



7.0457, 18.2678, 0.9896



4.5383, 18.2678, 25.8223

Sweetspot

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



34.7049, 18.2684, 86.4914



71.3076, 64.0962, 103.2212



26.1742, 23.8736, 88.0230



14.5866, 12.7290, 21.9381



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.



34.7049, 18.2684, 86.4914



34.0700, 15.9320, 95.8872



51.9980, 27.4901, 73.4431



16.5618, 16.4323, 20.8414



15.9112, 7.1768, 47.0847



1.5129, 0.6898, 4.1436

Inverse Universe

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



42.4379, 23.6660, 23.0998



44.4703, 23.0407, 17.4339



35.1178, 65.5299, 17.7269



16.7623, 16.5878, 18.4949



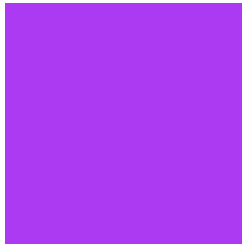
21.4376, 10.9185, 7.0129



1.9327, 0.9791, 0.8721

Previews

White Background



This preview shows how the XYZ color 34.7040, 18.2678, 86.4910 looks on a white background.

Color Contrast Check

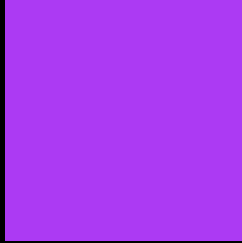
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 34.7040, 18.2678, 86.4910 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

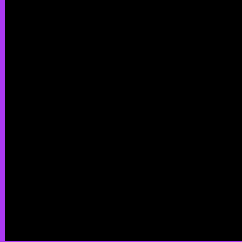
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.7040, 18.2678, 86.4910

Background



This preview shows how black text looks on a background with the XYZ color 34.7040, 18.2678, 86.4910.



This preview shows how white text looks on a background with the XYZ color 34.7040, 18.2678,

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

34.7040, 18.2678, 86.4910

Protanopia

22.0443, 18.4454, 86.4029

Deuteranopia

18.5952, 18.3779, 64.1952



Tritanopia

20.9299, 18.2372, 18.6367

Trichromacy



Original Color

34.7040, 18.2678, 86.4910



Protanomaly

22.0796, 15.4730, 85.8273



Deuteranomaly

19.7369, 15.1198, 71.6902



Tritanomaly

24.1945, 17.0225, 36.1929

Monochromacy



Original Color

34.7040, 18.2678, 86.4910



Achromatopsia

15.6958, 16.5132, 17.9829



Achromatomaly

20.0910, 15.4351, 35.1781

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7040, 18.2678, 86.4910 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, 58, 243)` looks like.

```
.text, #text, p{  
    color:rgb(172, 58, 243)  
}
```

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, 58, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 58, 243) }
```

Border

The CSS property to change the border of an element to XYZ 34.7040, 18.2678, 86.4910 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, 58, 243) }
```


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

```
.border{ border-color:rgb(172, 58, 243) }
```

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

Here you see how a box with a 4 pixel rgb(172, 58, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 58, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 58, 243);  
box-shadow:4px 4px 4px 4px rgb(172, 58,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7040, 18.2678, 86.4910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 58, 243) }
```

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

```
.background{ background-color: rgb(172, 58,  
243) }
```

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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