

Converting Colors

XYZ(34.7641, 17.1846, 96.0924)

Have a look what the booklet for
XYZ(34.7641, 17.1846, 96.0924)
contains.

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Color

**XYZ(34.6766, 17.1284,
96.0862)**

Conversions

Conversions Part 1

Format	Color
Hex	A62CFF
RGB	166, 44, 255
RGB Percent	65%, 17%, 100%
CMY	0.3490, 0.8274, 0.0000
CMYK	0.35, 0.83, 0.00, 0.00
HSL	275°, 100%, 59%
HSV	275°, 83%, 100%
XYZ	34.6766, 17.1284, 96.0862
YIQ	104.5320, 4.9810, 91.4850

Conversions

Conversions Part 2

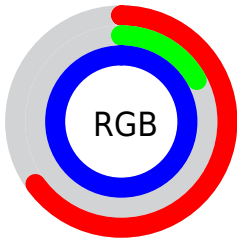
Format	Color
R _Y B	166, 44, 255
Decimal	10890495
CIE Lab	48.42, 79.60, -80.76
CIE LCh	48, 113.396, 314.583
Yxy	17.1284, 0.2345, 0.1158
Android (android.graphics.Color)	4289080575 (0xFFA62CFF)
YUV	104.5320, 74.1807, 53.9074
Hunter-Lab	41.3865, 77.1340, -108.6820

Details

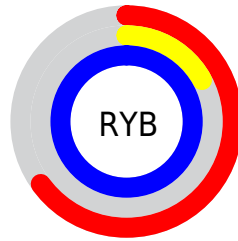
The XYZ color **34.6766, 17.1284, 96.0862** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **45.8872, 76.6882, 14.7669**, and the grayscale version is **13.1077, 13.7904, 15.0177**.

A 20% lighter version of the original color is **54.9862, 34.0663, 98.2851**, and **15.9037, 7.0345, 53.3429** is the 20% darker color. If you saturate the color by 10%, you get **31.8398, 14.6622, 95.7597**, and if you desaturate by 10%, it is **38.2859, 20.8571, 96.6157**.

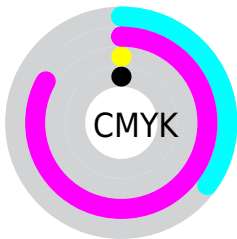
Distribution



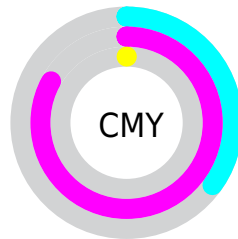
- Red (65%)
- Green (17%)
- Blue (100%)



- Red (65%)
- Yellow (17%)
- Blue (100%)



- Cyan (35%)
- Magenta (83%)
- Yellow (0%)
- Black (0%)



- Cyan (35%)
- Magenta (83%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.6766, 17.1284, 96.0862 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 34.6766, 17.1284, 96.0862 by changing the saturation by 10% instead.

34.6766, 17.1284,
96.0862

34.6766, 17.1284,
96.0862

314.6716,
235.9112, 568.7094

23.5792, 10.3261,
72.4375

66.3218, 38.5464,
157.7728

15.1448, 5.6157,
53.0271

87.6003, 53.9309,
196.6478

9.0081, 2.6128,
37.4365

113.0032, 72.9449,
241.4354

4.8036, 0.9331,
25.2472

142.8960, 95.9728,
292.5539

2.1661, 0.0000,
16.0406

177.6438,
123.3989, 350.4221

0.7248, 0.0000,
9.3983

217.6121,

0.0000, 0.0000,

155.6078, 415.4583

4.9015

263.1663,
192.9838, 488.0813

■ 0.0000, 0.0000,
2.1319

■ 0.0000, 0.0000,
0.6346

■ 34.6766, 17.1284,
96.0862

■ 34.6766, 17.1284,
96.0862

■ 31.8398, 14.6622,
95.7597

■ 38.2859, 20.8571,
96.6157

■ 30.1625, 13.4642,
95.6169

■ 42.7621, 26.0346,
97.3791

■ 48.1871, 32.8165,
98.4022

■ 54.6310, 41.3374,
99.7073

62.1570, 51.7174,
101.3142

70.8225, 64.0653,
103.2408

80.6804, 78.4818,
105.5039

91.7803, 95.0604,
108.1189

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



21.8357, 17.1284, 146.5378



34.6766, 17.1284, 96.0862



44.0696, 17.1284, 38.3296

Triad

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



34.6766, 17.1284, 96.0862



22.1788, 17.1284, 0.0000



3.6013, 17.1284, 37.0449

Complementary

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



34.6766, 17.1284, 96.0862



45.8872, 76.6882, 14.7669

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.



3.6289, 17.1284, 7.2131



34.6766, 17.1284, 96.0862



11.7570, 17.1284, 0.0000

Square

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



34.6766, 17.1284, 96.0862



35.0178, 17.1284, 0.2719



5.9097, 17.1284, 0.1902



5.8057, 17.1284, 94.3416

Rectangle

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



34.6766, 17.1284, 96.0862



45.3521, 17.1284, 14.4483



5.9097, 17.1284, 0.1902



3.3937, 17.1284, 23.5960

Sweetspot

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



34.6775, 17.1289, 96.0862



68.7656, 61.1029, 102.7774



27.8135, 25.2049, 98.0068



14.0584, 12.1352, 21.8513



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.



34.6775, 17.1289, 96.0862



30.3847, 13.6199, 95.6352



58.0080, 29.4084, 85.7860



18.0091, 17.8964, 22.7551



15.9348, 7.1252, 49.9700



1.6763, 0.7581, 4.8712

Inverse Universe

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



46.3742, 24.7549, 24.5235



44.0296, 22.4201, 16.4833



37.5642, 72.3617, 15.9995



18.3272, 18.1142, 20.3404



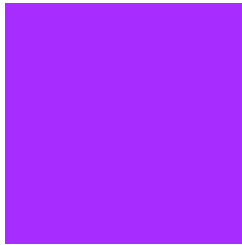
23.0215, 11.6979, 8.7637



2.2947, 1.1602, 1.1332

Previews

White Background



This preview shows how the XYZ color 34.6766, 17.1284, 96.0862 looks on a white background.

Color Contrast Check

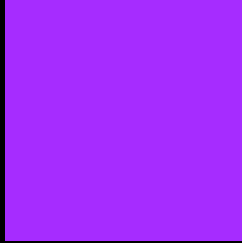
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.6766, 17.1284, 96.0862 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

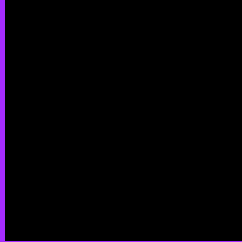
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 34.6766, 17.1284, 96.0862

Background



This preview shows how black text looks on a background with the XYZ color 34.6766, 17.1284, 96.0862.



This preview shows how white text looks on a background with the XYZ color 34.6766, 17.1284,

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

34.6766, 17.1284, 96.0862

Deuteranopia

17.2579, 17.2687, 58.9235

Tritanopia

18.8388, 17.0119, 18.2103

Trichromacy



Original Color

34.6766, 17.1284, 96.0862



Deuteranomaly

18.7894, 13.7168, 70.7645



Tritanomaly

22.2792, 15.2927, 37.3748

Monochromacy



Original Color

34.6766, 17.1284, 96.0862



Achromatopsia

13.4271, 14.1263, 15.3836



Achromatomaly

18.1908, 13.2366, 34.8539

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.6766, 17.1284, 96.0862 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(166, 44, 255)` looks like.

```
.text, #text, p{  
    color:rgb(166, 44, 255)  
}
```

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(166, 44, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 44, 255) }
```

Border

The CSS property to change the border of an element to XYZ 34.6766, 17.1284, 96.0862 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(166, 44, 255) }
```

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

```
.border{ border-color:rgb(166, 44, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 44, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 44, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 44, 255);  
box-shadow:4px 4px 4px 4px rgb(166, 44,  
255) }
```


Background

The CSS property to change the background color of an element to XYZ 34.6766, 17.1284, 96.0862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 44, 255) }
```

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

```
.background{ background-color: rgb(166, 44,  
255) }
```

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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