

Converting Colors

XYZ(33.4869, 17.3763, 84.5096)

Have a look what the booklet for
XYZ(33.4869, 17.3763, 84.5096)
contains.

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Color

**XYZ(33.5585, 17.4242,
84.8136)**

Conversions

Conversions Part 1

Format	Color
Hex	A936F1
RGB	169, 54, 241
RGB Percent	66%, 21%, 95%
CMY	0.3372, 0.7882, 0.0549
CMYK	0.30, 0.78, 0.00, 0.05
HSL	277°, 87%, 58%
HSV	277°, 78%, 95%
XYZ	33.5585, 17.4242, 84.8136
YIQ	109.7030, 8.5130, 82.5370

Conversions

Conversions Part 2

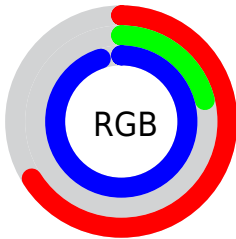
Format	Color
R_{YB}	169, 54, 241
Decimal	11089649
CIE _{Lab}	48.79, 74.13, -72.31
CIE _{LCh}	49, 103.555, 315.709
Yxy	17.4242, 0.2471, 0.1283
Android (android.graphics.Color)	4289279729 (0xFFA936F1)
YUV	109.7030, 64.7294, 52.0035
Hunter-Lab	41.7423, 70.4551, -91.2481

Details

The XYZ color **33.5585, 17.4242, 84.8136** 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 **40.7255, 67.6128, 14.3944**, and the grayscale version is **14.5562, 15.3142, 16.6772**.

A 20% lighter version of the original color is **56.2682, 35.6883, 98.5306**, and **15.0821, 6.7757, 45.8603** is the 20% darker color. If you saturate the color by 10%, you get **30.7812, 14.7197, 84.4383**, and if you desaturate by 10%, it is **37.0338, 21.3126, 85.3813**.

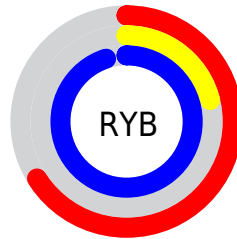
Distribution



Red (66%)

Green (21%)

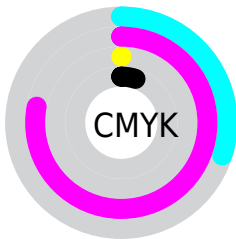
Blue (95%)



Red (66%)

Yellow (21%)

Blue (95%)

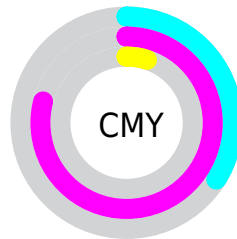


Cyan (30%)

Magenta (78%)

Yellow (0%)

Black (5%)



Cyan (34%)

Magenta (79%)

Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.5585, 17.4242, 84.8136 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 33.5585, 17.4242, 84.8136 by changing the saturation by 10% instead.


 33.5585, 17.4242,
84.8136


 33.5585, 17.4242,
84.8136

309.7796,
237.6052, 531.1396

 22.7159, 10.5374,
63.1381


 64.5954, 39.0537,
141.9846


 14.5034, 5.7567,
45.5112


 85.5204, 54.5652,
178.3171


 8.5557, 2.6977,
31.5144


 110.5369, 73.7203,
220.3725

 4.5073, 0.9760,
20.7291

 140.0103, 96.9036,
268.5691

 1.9929, 0.0000,
12.7368

 174.3059,
124.4993, 323.3256

 0.6300, 0.0000,
7.1190

213.7890,

 0.0000, 0.0000,

156.8919, 385.0605

3.4571

258.8252,
194.4657, 454.1923

■ 0.0000, 0.0000,
1.3325

■ 0.0000, 0.0000,
0.0882

■ 33.5585, 17.4242,
84.8136

■ 33.5585, 17.4242,
84.8136

■ 30.7812, 14.7197,
84.4383

■ 37.0338, 21.3126,
85.3813

■ 28.6000, 13.0032,
84.2220

■ 41.2796, 26.5292,
86.1644

■ 28.1283, 12.6665,
84.1818

■ 46.3609, 33.1988,
87.1840

■ 52.3345, 41.4311,
88.4581

■ 59.2519, 51.3249,
90.0033

■ 67.1600, 62.9707,
91.8343

■ 76.1026, 76.4524,
93.9652

■ 86.1208, 91.8483,
96.4089

■ 91.9683, 98.6623,
97.4160

Harmonies

Analogous

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



22.0669, 17.4242, 128.5735



33.5585, 17.4242, 84.8136



41.5979, 17.4242, 35.2039

Triad

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



33.5585, 17.4242, 84.8136



21.5378, 17.4242, 0.0000



4.4036, 17.4242, 37.1432

Complementary

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



33.5585, 17.4242, 84.8136



40.7255, 67.6128, 14.3944

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.



4.3550, 17.4242, 8.7008



33.5585, 17.4242, 84.8136



12.0571, 17.4242, 0.0000

Square

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



33.5585, 17.4242, 84.8136



33.0448, 17.4242, 0.6988



6.5644, 17.4242, 0.8255



6.7399, 17.4242, 87.3442

Rectangle

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



33.5585, 17.4242, 84.8136



42.4887, 17.4242, 14.1925



6.5644, 17.4242, 0.8255



4.1614, 17.4242, 24.7196

Sweetspot

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



33.5594, 17.4248, 84.8140



71.2838, 64.0839, 103.2201



25.2229, 22.7835, 86.2877



14.5809, 12.7261, 21.9378



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.



33.5594, 17.4248, 84.8140



33.5105, 15.5077, 95.8348



50.8202, 26.6295, 71.7802



15.8307, 15.7099, 19.9196



15.4084, 6.9487, 45.6570



1.3926, 0.6352, 3.8034

Inverse Universe

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



41.3609, 22.8458, 21.9683



44.2226, 22.7953, 16.5814



34.1696, 64.1723, 16.8373



16.0247, 15.8596, 17.6862



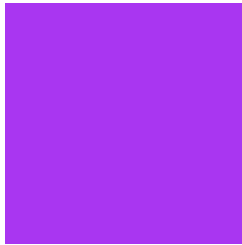
20.7988, 10.5920, 6.8573



1.7775, 0.9000, 0.8190

Previews

White Background



This preview shows how the XYZ color 33.5585, 17.4242, 84.8136 looks on a white background.

Color Contrast Check

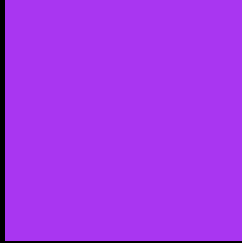
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.5585, 17.4242, 84.8136 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 33.5585, 17.4242, 84.8136

Background



This preview shows how black text looks on a background with the XYZ color 33.5585, 17.4242, 84.8136.



This preview shows how white text looks on a background with the XYZ color 33.5585, 17.4242,

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

33.5585, 17.4242, 84.8136

Protanopia

20.9345, 17.6445, 81.6592

Deuteranopia

17.7374, 17.6499, 60.8644



Tritanopia

19.9076, 17.2735, 17.6141

Trichromacy



Original Color

33.5585, 17.4242, 84.8136



Protanomaly

21.0982, 14.6473, 82.6041



Deuteranomaly

18.8029, 14.2910, 68.7853



Tritanomaly

23.1034, 16.1273, 34.6961

Monochromacy



Original Color

33.5585, 17.4242, 84.8136



Achromatopsia

14.8208, 15.5926, 16.9804



Achromatomaly

19.1878, 14.6062, 34.1557

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5585, 17.4242, 84.8136 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(169, 54, 241)` looks like.

```
.text, #text, p{  
    color:rgb(169, 54, 241)  
}
```

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(169, 54, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 54, 241) }
```

Border

The CSS property to change the border of an element to XYZ 33.5585, 17.4242, 84.8136 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(169, 54, 241) }
```


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

```
.border{ border-color:rgb(169, 54, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 54, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 54, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 54, 241);  
box-shadow:4px 4px 4px 4px rgb(169, 54,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5585, 17.4242, 84.8136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 54, 241) }
```

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

```
.background{ background-color: rgb(169, 54,  
241) }
```

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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