

Converting Colors

XYZ(33.5606, 17.5849, 84.0784)

Have a look what the booklet for
XYZ(33.5606, 17.5849, 84.0784)
contains.

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Color

**XYZ(33.5045, 17.5546,
84.0606)**

Conversions

Conversions Part 1

Format	Color
Hex	A938F0
RGB	169, 56, 240
RGB Percent	66%, 22%, 94%
CMY	0.3372, 0.7804, 0.0588
CMYK	0.30, 0.77, 0.00, 0.06
HSL	277°, 86%, 58%
HSV	277°, 77%, 94%
XYZ	33.5045, 17.5546, 84.0606
YIQ	110.7630, 8.2840, 81.1800

Conversions

Conversions Part 2

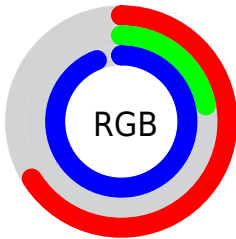
Format	Color
R _Y B	169, 56, 240
Decimal	11090160
CIE Lab	48.95, 73.24, -71.49
CIE LCh	49, 102.347, 315.694
Yxy	17.5546, 0.2480, 0.1299
Android (android.graphics.Color)	4289280240 (0xFFA938F0)
YUV	110.7630, 63.7138, 51.0738
Hunter-Lab	41.8982, 69.4182, -89.6251

Details

The XYZ color **33.5045, 17.5546, 84.0606** is a light color, and the websafe version is hex **9900CC**. The color can be described as light washed purple. A complement of this color would be **40.6264, 67.1180, 14.5555**, and the grayscale version is **14.8617, 15.6356, 17.0272**.

A 20% lighter version of the original color is **56.4938, 36.1395, 98.6058**, and **14.9777, 6.7339, 45.3101** is the 20% darker color. If you saturate the color by 10%, you get **30.6906, 14.7715, 83.6721**, and if you desaturate by 10%, it is **37.0178, 21.5252, 84.6422**.

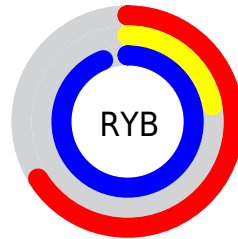
Distribution



Red (66%)

Green (22%)

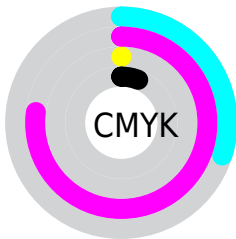
Blue (94%)



Red (66%)

Yellow (22%)

Blue (94%)

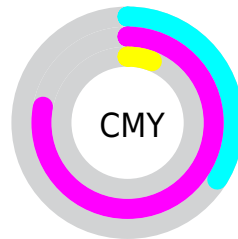


Cyan (30%)

Magenta (77%)

Yellow (0%)

Black (6%)



Cyan (34%)


Magenta (78%)


Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.5045, 17.5546, 84.0606 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 33.5045, 17.5546, 84.0606 by changing the saturation by 10% instead.


 33.5045, 17.5546,
84.0606


 33.5045, 17.5546,
84.0606

309.5419,
238.3484, 528.5778


 22.6743, 10.6307,
62.5198


 64.5118, 39.2769,
140.9224

 14.4726, 5.8191,
45.0143


 85.4196, 54.8441,
177.0805


 8.5340, 2.7354,
31.1257


 110.4173, 74.0611,
218.9481

 4.4931, 0.9952,
20.4353

 139.8703, 97.3125,
266.9438

 1.9847, 0.0000,
12.5247

 174.1439,
124.9825, 321.4860

 0.6254, 0.0000,
6.9752

213.6034,

 0.0000, 0.0000,

157.4555, 382.9934

3.3684

258.6143,
195.1160, 451.8845

■ 0.0000, 0.0000,
1.2857

■ 0.0000, 0.0000,
0.0500

■ 33.5045, 17.5546,
84.0606

■ 33.5045, 17.5546,
84.0606

■ 30.6906, 14.7715,
83.6721

■ 37.0178, 21.5252,
84.6422

■ 28.4816, 12.9948,
83.4456

■ 41.3008, 26.8235,
85.4391

■ 27.8317, 12.5308,
83.3903

■ 46.4174, 33.5716,
86.4720

■ 52.4231, 41.8769,
87.7585

■ 59.3684, 51.8364,
89.3148

■ 67.2996, 63.5390,
91.1556

■ 76.2597, 77.0672,
93.2946

■ 86.2890, 92.4981,
95.7445

■ 91.7596, 98.5719,
96.6285

Harmonies

Analogous

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



22.1404, 17.5546, 126.9780



33.5045, 17.5546, 84.0606



41.4392, 17.5546, 35.2089

Triad

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



33.5045, 17.5546, 84.0606



21.6277, 17.5546, 0.0000



4.5412, 17.5546, 37.0826

Complementary

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



33.5045, 17.5546, 84.0606



40.6264, 67.1180, 14.5555

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.



4.4932, 17.5546, 8.8684



33.5045, 17.5546, 84.0606



12.2087, 17.5546, 0.0000

Square

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



33.5045, 17.5546, 84.0606



33.0084, 17.5546, 0.7801



6.7172, 17.5546, 0.9026



6.8895, 17.5546, 86.4917

Rectangle

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



33.5045, 17.5546, 84.0606



42.3206, 17.5546, 14.3720



6.7172, 17.5546, 0.9026



4.2971, 17.5546, 24.7987

Sweetspot

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



33.5054, 17.5552, 84.0610



71.2677, 64.0756, 103.2194



25.2890, 22.9916, 85.5434



14.5770, 12.7240, 21.9376



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.



33.5054, 17.5552, 84.0610



33.7158, 15.6780, 95.8569



50.4810, 26.6064, 71.3019



15.8293, 15.7092, 19.9195



15.3886, 6.9385, 45.6561



1.3910, 0.6343, 3.8033

Inverse Universe

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



41.1804, 22.8862, 22.3256



44.3622, 22.9205, 17.1025



34.0409, 63.6611, 17.0435



16.0252, 15.8598, 17.6892



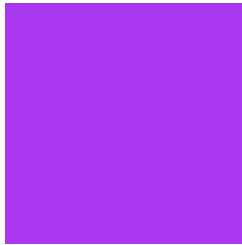
20.8038, 10.5939, 6.8833



1.7779, 0.9002, 0.8214

Previews

White Background



This preview shows how the XYZ color 33.5045, 17.5546, 84.0606 looks on a white background.

Color Contrast Check

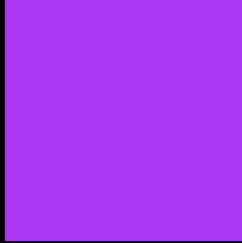
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.5045, 17.5546, 84.0606 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

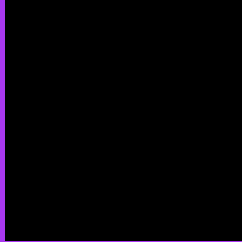
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.5045, 17.5546, 84.0606

Background



This preview shows how black text looks on a background with the XYZ color 33.5045, 17.5546, 84.0606.



This preview shows how white text looks on a background with the XYZ color 33.5045, 17.5546,

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

33.5045, 17.5546, 84.0606

Protanopia

21.0802, 17.7028, 82.4267

Deuteranopia

17.8593, 17.6986, 61.5064



Tritanopia

20.0648, 17.4984, 17.9428

Trichromacy



Original Color

33.5045, 17.5546, 84.0606



Protanomaly

21.1842, 14.8194, 82.6328



Deuteranomaly

18.8935, 14.4723, 68.8155



Tritanomaly

23.1838, 16.2882, 34.7229

Monochromacy



Original Color

33.5045, 17.5546, 84.0606



Achromatopsia

15.1092, 15.8961, 17.3108



Achromatomaly

19.4284, 14.8563, 34.1913

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5045, 17.5546, 84.0606 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, 56, 240)` looks like.

```
.text, #text, p{  
    color:rgb(169, 56, 240)  
}
```

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, 56, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 56, 240) }
```

Border

The CSS property to change the border of an element to XYZ 33.5045, 17.5546, 84.0606 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, 56, 240) }
```


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

```
.border{ border-color:rgb(169, 56, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 56, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 56, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 56, 240);  
box-shadow:4px 4px 4px 4px rgb(169, 56,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5045, 17.5546, 84.0606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 56, 240) }
```

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

```
.background{ background-color: rgb(169, 56,  
240) }
```

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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