

Converting Colors

XYZ(33.6747, 17.5610, 84.8342)

Have a look what the booklet for
XYZ(33.6747, 17.5610, 84.8342)
contains.

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Color

**XYZ(33.6056, 17.5183,
84.8292)**

Conversions

Conversions Part 1

Format	Color
Hex	A937F1
RGB	169, 55, 241
RGB Percent	66%, 22%, 95%
CMY	0.3372, 0.7843, 0.0549
CMYK	0.30, 0.77, 0.00, 0.05
HSL	277°, 87%, 58%
HSV	277°, 77%, 95%
XYZ	33.6056, 17.5183, 84.8292
YIQ	110.2900, 8.2380, 82.0140

Conversions

Conversions Part 2

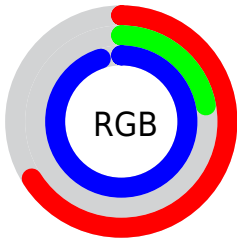
Format	Color
RYB	169, 55, 241
Decimal	11089905
CIELab	48.91, 73.79, -72.12
CIElCh	49, 103.182, 315.654
Yxy	17.5183, 0.2472, 0.1289
Android (android.graphics.Color)	4289279985 (0xFFA937F1)
YUV	110.2900, 64.4400, 51.4887
Hunter-Lab	41.8549, 70.0730, -90.8674

Details

The XYZ color **33.6056, 17.5183, 84.8292** 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 **40.8974, 67.6987, 14.5264**, and the grayscale version is **14.7242, 15.4910, 16.8697**.

A 20% lighter version of the original color is **56.3804, 35.9126, 98.5680**, and **15.0821, 6.7757, 45.8603** is the 20% darker color. If you saturate the color by 10%, you get **30.7969, 14.7659, 84.4463**, and if you desaturate by 10%, it is **37.1171, 21.4620, 85.4057**.

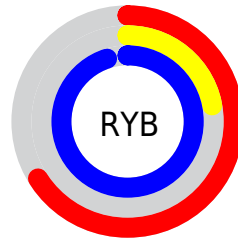
Distribution



Red (66%)

Green (22%)

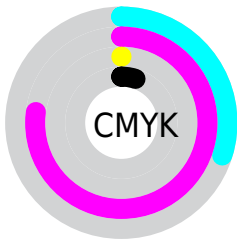
Blue (95%)



Red (66%)

Yellow (22%)

Blue (95%)

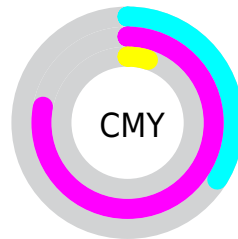


Cyan (30%)

Magenta (77%)

Yellow (0%)

Black (5%)



Cyan (34%)


Magenta (78%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.6056, 17.5183, 84.8292 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 33.6056, 17.5183, 84.8292 by changing the saturation by 10% instead.


 33.6056, 17.5183,
84.8292


 33.6056, 17.5183,
84.8292

309.9868,
238.1417, 531.1926


 22.7522, 10.6047,
63.1509


 64.6682, 39.2148,
142.0066


 14.5303, 5.8017,
45.5215


 85.6082, 54.7665,
178.3427


 8.5746, 2.7249,
31.5225


 110.6411, 73.9663,
220.4019

 4.5196, 0.9898,
20.7352

 140.1323, 97.1987,
268.6027

 2.0001, 0.0000,
12.7413

 174.4471,
124.8481, 323.3637

 0.6340, 0.0000,
7.1220

213.9509,

 0.0000, 0.0000,

157.2988, 385.1032

3.4589

259.0090,
194.9352, 454.2400

■ 0.0000, 0.0000,
1.3335

■ 0.0000, 0.0000,
0.0890

■ 33.6056, 17.5183,
84.8292

■ 33.6056, 17.5183,
84.8292

■ 30.7969, 14.7659,
84.4463

■ 37.1171, 21.4620,
85.4057

■ 28.5925, 13.0155,
84.2246

■ 41.4033, 26.7401,
86.1986

■ 28.0381, 12.6201,
84.1775

■ 46.5290, 33.4769,
87.2287

■ 52.5509, 41.7814,
88.5143

■ 59.5200, 51.7522,
90.0715

■ 67.4835, 63.4794,
91.9154

■ 76.4849, 77.0466,
94.0597

■ 86.5652, 92.5321,
96.5174

■ 92.1315, 98.7465,
97.4235

Harmonies

Analogous

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



22.1326, 17.5183, 128.3335



33.6056, 17.5183, 84.8292



41.6359, 17.5183, 35.3618

Triad

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



33.6056, 17.5183, 84.8292



21.6453, 17.5183, 0.0000



4.4652, 17.5183, 37.1464

Complementary

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



33.6056, 17.5183, 84.8292



40.8974, 67.6987, 14.5264

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.



4.4201, 17.5183, 8.7605



33.6056, 17.5183, 84.8292



12.1580, 17.5183, 0.0000

Square

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



33.6056, 17.5183, 84.8292



33.1330, 17.5183, 0.7364



6.6452, 17.5183, 0.8528



6.8077, 17.5183, 87.1528

Rectangle

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



33.6056, 17.5183, 84.8292



42.5355, 17.5183, 14.3343



6.6452, 17.5183, 0.8528



4.2229, 17.5183, 24.7589

Sweetspot

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



33.6065, 17.5189, 84.8296



71.2443, 64.0636, 103.2183



25.3562, 22.9697, 86.3166



14.5713, 12.7211, 21.9374



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.



33.6065, 17.5189, 84.8296



33.4097, 15.4557, 95.8301



50.8807, 26.7289, 71.8666



15.8274, 15.7082, 19.9194



15.3597, 6.9236, 45.6547



1.3887, 0.6332, 3.8032

Inverse Universe

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



41.4728, 22.9657, 22.3255



44.2492, 22.8059, 16.7211



34.2538, 64.2122, 16.9974



16.0261, 15.8601, 17.6935



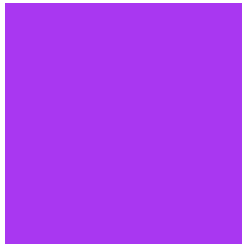
20.8110, 10.5968, 6.9213



1.7786, 0.9005, 0.8248

Previews

White Background



This preview shows how the XYZ color 33.6056, 17.5183, 84.8292 looks on a white background.

Color Contrast Check

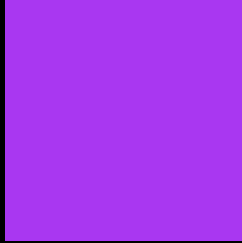
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.6056, 17.5183, 84.8292 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

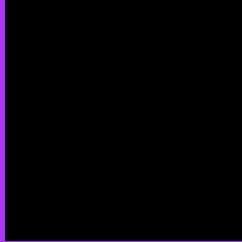
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.6056, 17.5183, 84.8292

Background



This preview shows how black text looks on a background with the XYZ color 33.6056, 17.5183, 84.8292.



This preview shows how white text looks on a background with the XYZ color 33.6056, 17.5183,

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

33.6056, 17.5183, 84.8292

Protanopia

21.0802, 17.7028, 82.4267

Deuteranopia

17.8593, 17.6986, 61.5064



Tritanopia

20.0648, 17.4984, 17.9428

Trichromacy



Original Color

33.6056, 17.5183, 84.8292



Protanomaly

21.0982, 14.6473, 82.6041



Deuteranomaly

18.8935, 14.4723, 68.8155



Tritanomaly

23.2709, 16.3230, 35.1819

Monochromacy



Original Color

33.6056, 17.5183, 84.8292



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 33.6056, 17.5183, 84.8292 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, 55, 241)` looks like.

```
.text, #text, p{  
    color:rgb(169, 55, 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, 55, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 55, 241) }
```

Border

The CSS property to change the border of an element to XYZ 33.6056, 17.5183, 84.8292 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, 55, 241) }
```


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

```
.border{ border-color:rgb(169, 55, 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, 55, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 55, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 55, 241);  
box-shadow:4px 4px 4px 4px rgb(169, 55,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6056, 17.5183, 84.8292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 55, 241) }
```

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

```
.background{ background-color: rgb(169, 55,  
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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