

Converting Colors

XYZ(35.8713, 19.2948, 90.1141)

Have a look what the booklet for
XYZ(35.8713, 19.2948, 90.1141)
contains.

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Color

**XYZ(35.8555, 19.2664,
89.8247)**

Conversions

Conversions Part 1

Format	Color
Hex	AD40F7
RGB	173, 64, 247
RGB Percent	68%, 25%, 97%
CMY	0.3216, 0.7490, 0.0314
CMYK	0.30, 0.74, 0.00, 0.03
HSL	276°, 92%, 61%
HSV	276°, 74%, 97%
XYZ	35.8555, 19.2664, 89.8247
YIQ	117.4530, 6.2210, 80.0210

Conversions

Conversions Part 2

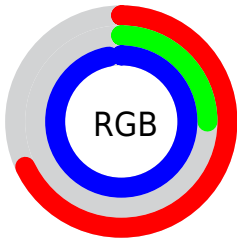
Format	Color
RYB	173, 64, 247
Decimal	11354359
CIELab	51.00, 72.50, -72.06
CIElCh	51, 102.219, 315.172
Yxy	19.2664, 0.2474, 0.1329
Android (android.graphics.Color)	4289544439 (0xFFAD40F7)
YUV	117.4530, 63.8667, 48.7147
Hunter-Lab	43.8935, 68.9985, -90.6070

Details

The XYZ color **35.8555, 19.2664, 89.8247** 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 **44.6674, 72.2952, 16.4509**, and the grayscale version is **16.8564, 17.7342, 19.3126**.

A 20% lighter version of the original color is **58.6138, 38.4627, 98.9425**, and **16.1247, 7.2515, 48.6939** is the 20% darker color. If you saturate the color by 10%, you get **32.6316, 15.9746, 89.3596**, and if you desaturate by 10%, it is **39.8626, 23.8769, 90.5038**.

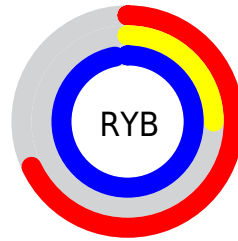
Distribution



Red (68%)

Green (25%)

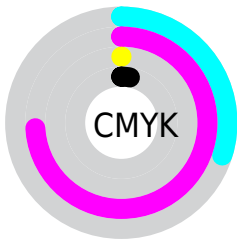
Blue (97%)



Red (68%)

Yellow (25%)

Blue (97%)

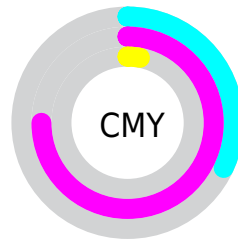


Cyan (30%)

Magenta (74%)

Yellow (0%)

Black (3%)



Cyan (32%)


Magenta (75%)


Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.8555, 19.2664, 89.8247 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 35.8555, 19.2664, 89.8247 by changing the saturation by 10% instead.


 35.8555, 19.2664,
89.8247


 35.8555, 19.2664,
89.8247


319.7708,
247.9155, 548.0158


 24.4922, 11.8629,
67.2624


 68.1343, 42.1838,
149.0283


 15.8258, 6.6504,
48.8349


 89.7805, 58.4665,
186.5066


 9.4911, 3.2444,
34.1239


 115.5851, 78.4777,
229.7939

 5.1225, 1.2606,
22.7107

 145.9134,
102.6018, 279.3089

 2.3548, 0.1104,
14.1767

 181.1308,
131.2233, 335.4701

 0.8225, 0.0000,
8.1035

221.6025,

 0.0000, 0.0000,

164.7265, 398.6959

4.0725

267.6941,
203.4957, 469.4050

■ 0.0000, 0.0000,
1.6652

■ 0.0000, 0.0000,
0.3367

■ 35.8555, 19.2664,
89.8247

■ 35.8555, 19.2664,
89.8247

■ 32.6316, 15.9746,
89.3596

■ 39.8626, 23.8769,
90.5038

■ 30.0960, 13.8210,
89.0776

■ 44.7256, 29.9503,
91.4198

■ 28.8434, 12.9299,
88.9716

■ 50.5112, 37.6135,
92.5940

■ 57.2779, 46.9789,
94.0450

65.0791, 58.1483,
95.7898

73.9639, 71.2153,
97.8437

83.9780, 86.2672,
100.2212

93.0220, 99.1002,
102.2216

93.7886, 99.4954,
102.2574

Harmonies

Analogous

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



23.8875, 19.2664, 133.7026



35.8555, 19.2664, 89.8247



44.2762, 19.2664, 38.7012

Triad

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



35.8555, 19.2664, 89.8247



23.7530, 19.2664, 0.0000



5.2258, 19.2664, 39.1896

Complementary

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



35.8555, 19.2664, 89.8247



44.6674, 72.2952, 16.4509

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.



5.2127, 19.2664, 9.7096



35.8555, 19.2664, 89.8247



13.6797, 19.2664, 0.0000

Square

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



35.8555, 19.2664, 89.8247



35.7263, 19.2664, 1.0833



7.6932, 19.2664, 1.1165



7.7397, 19.2664, 90.4503

Rectangle

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



35.8555, 19.2664, 89.8247



45.3080, 19.2664, 16.3472



7.6932, 19.2664, 1.1165



4.9706, 19.2664, 26.4095

Sweetspot

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



35.8565, 19.2671, 89.8252



71.8317, 65.2295, 103.4124



28.3179, 26.6352, 91.6447



14.8492, 13.1970, 22.0146



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.



35.8565, 19.2671, 89.8252



33.6180, 15.8638, 95.8979



54.7215, 29.2533, 78.9206



16.5277, 16.4147, 20.8398



15.4192, 6.9232, 47.0617



1.4713, 0.6683, 4.1417

Inverse Universe

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



44.7788, 25.2762, 26.5630



45.0356, 23.4446, 19.8634



36.7959, 68.1801, 18.6660



16.7768, 16.5936, 18.5713



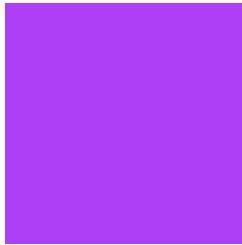
21.5655, 10.9696, 7.6861



1.9449, 0.9839, 0.9361

Previews

White Background



This preview shows how the XYZ color 35.8555, 19.2664, 89.8247 looks on a white background.

Color Contrast Check

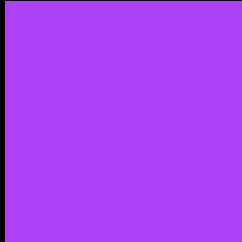
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 35.8555, 19.2664, 89.8247 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

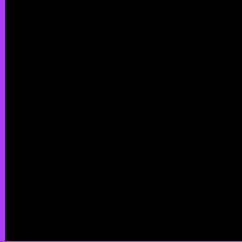
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 35.8555, 19.2664, 89.8247

Background



This preview shows how black text looks on a background with the XYZ color 35.8555, 19.2664, 89.8247.



This preview shows how white text looks on a background with the XYZ color 35.8555, 19.2664,

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

35.8555, 19.2664, 89.8247

Protanopia

23.3046, 19.4999, 91.3425

Deuteranopia

19.6023, 19.3732, 67.6720



Tritanopia

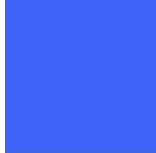
21.4834, 18.9678, 19.9816

Trichromacy



Original Color

35.8555, 19.2664, 89.8247



Protanomaly

23.3609, 16.5694, 90.7739



Deuteranomaly

20.6664, 16.1056, 74.6925



Tritanomaly

24.8978, 17.8510, 38.2097

Monochromacy



Original Color

35.8555, 19.2664, 89.8247



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

21.3851, 16.7341, 37.2248

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8555, 19.2664, 89.8247 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(173, 64, 247)` looks like.

```
.text, #text, p{  
    color:rgb(173, 64, 247)  
}
```

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(173, 64, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 64, 247) }
```

Border

The CSS property to change the border of an element to XYZ 35.8555, 19.2664, 89.8247 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(173, 64, 247) }
```


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

```
.border{ border-color:rgb(173, 64, 247) }
```

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

Here you see how a box with a 4 pixel rgb(173, 64, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 64, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 64, 247);  
box-shadow:4px 4px 4px 4px rgb(173, 64,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8555, 19.2664, 89.8247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 64, 247) }
```

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

```
.background{ background-color: rgb(173, 64,  
247) }
```

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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