

Converting Colors

XYZ(34.9495, 22.7566, 89.1364)

Have a look what the booklet for
XYZ(34.9495, 22.7566, 89.1364)
contains.

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Color

**XYZ(34.8479, 22.6844,
88.9280)**

Conversions

Conversions Part 1

Format	Color
Hex	9D63F5
RGB	157, 99, 245
RGB Percent	62%, 39%, 96%
CMY	0.3843, 0.6118, 0.0392
CMYK	0.36, 0.60, 0.00, 0.04
HSL	264°, 88%, 67%
HSV	264°, 60%, 96%
XYZ	34.8479, 22.6844, 88.9280
YIQ	132.9860, -12.2980, 57.7020

Conversions

Conversions Part 2

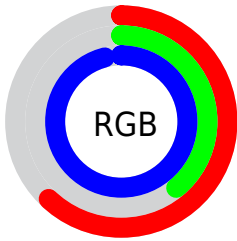
Format	Color
R_{YB}	157, 99, 245
Decimal	10314741
CIE _{Lab}	54.75, 52.92, -64.97
CIE _{LCh}	55, 83.800, 309.164
Yxy	22.6844, 0.2379, 0.1549
Android (android.graphics.Color)	4288504821 (0xFF9D63F5)
YUV	132.9860, 55.2229, 21.0603
Hunter-Lab	47.6281, 47.2532, -77.3625

Details

The XYZ color **34.8479, 22.6844, 88.9280** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **55.3981, 76.7707, 23.7034**, and the grayscale version is **22.0989, 23.2498, 25.3190**.

A 20% lighter version of the original color is **57.5971, 44.2754, 100.1180**, and **15.2796, 8.3974, 48.3925** is the 20% darker color. If you saturate the color by 10%, you get **30.1600, 17.3293, 88.1419**, and if you desaturate by 10%, it is **40.5899, 29.6282, 89.9661**.

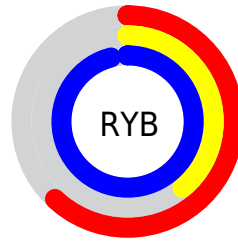
Distribution



Red (62%)

Green (39%)

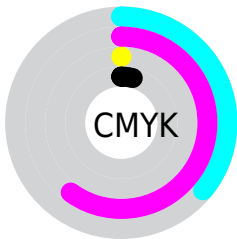
Blue (96%)



Red (62%)

Yellow (39%)

Blue (96%)

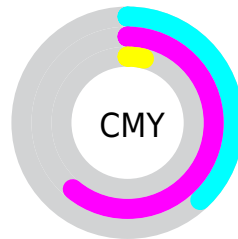


Cyan (36%)

Magenta (60%)

Yellow (0%)

Black (4%)



Cyan (38%)


Magenta (61%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.8479, 22.6844, 88.9280 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 34.8479, 22.6844, 88.9280 by changing the saturation by 10% instead.


 34.8479, 22.6844,
88.9280


 34.8479, 22.6844,
88.9280


315.4163,
266.0998, 545.0173

 23.7117, 14.3606,
66.5232


 66.5856, 47.8746,
147.7709


 15.2435, 8.3719,
48.2381


 87.9179, 65.5098,
185.0461

 9.0779, 4.3338,
33.6541


 113.3796, 87.0177,
228.1151

 4.8495, 1.8620,
22.3528

 143.3360,
112.7825, 277.3966

 2.1931, 0.5254,
13.9156

178.1525,
143.1887, 333.3090

 0.7391, 0.0000,
7.9239

218.1945,

 0.0000, 0.0000,

178.6208, 396.2709

3.9592

263.8273,
219.4630, 466.7008

■ 0.0000, 0.0000,
1.6030

■ 0.0000, 0.0000,
0.2930

■ 34.8479, 22.6844,
88.9280

■ 34.8479, 22.6844,
88.9280

■ 30.1600, 17.3293,
88.1419

■ 40.5899, 29.6282,
89.9661

■ 26.4448, 13.4222,
87.5836

■ 47.4523, 38.2797,
91.2743

■ 23.6119, 10.8006,
87.2269

■ 55.4991, 48.7490,
92.8710

■ 21.5226, 9.2075,
87.0295

■ 64.7882, 61.1360,
94.7723

■ 21.4468, 9.1523,
87.0228

■ 75.3735, 75.5332,
96.9934

■ 87.3055, 92.0271,
99.5481

■ 93.4815, 99.3726,
100.6404

Harmonies

Analogous

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



24.5176, 22.6844, 116.7513



34.8479, 22.6844, 88.9280



42.8060, 22.6844, 47.5918

Triad

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



34.8479, 22.6844, 88.9280



28.5215, 22.6844, 1.1324



8.3427, 22.6844, 33.7269

Complementary

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



34.8479, 22.6844, 88.9280



55.3981, 76.7707, 23.7034

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.



8.8494, 22.6844, 10.6567



34.8479, 22.6844, 88.9280



18.8519, 22.6844, 0.8151

Square

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



34.8479, 22.6844, 88.9280



38.4879, 22.6844, 4.4812



12.1705, 22.6844, 2.5208



10.5069, 22.6844, 72.8172

Rectangle

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



34.8479, 22.6844, 88.9280



44.6655, 22.6844, 25.4493



12.1705, 22.6844, 2.5208



8.2238, 22.6844, 23.9644

Sweetspot

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



34.8489, 22.6852, 88.9286



72.6593, 69.2554, 104.1458



39.8324, 45.6554, 93.0996



14.8726, 13.9078, 22.1505



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.



34.8489, 22.6852, 88.9286



31.8898, 17.7375, 96.3506



52.9281, 32.0054, 89.7747



16.2041, 16.2479, 20.8247



11.6993, 5.0055, 46.8876



1.1406, 0.4979, 4.1262

Inverse Universe

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



51.0880, 31.9245, 50.4826



51.9685, 29.1974, 47.1852



42.1120, 69.9215, 23.0816



16.9186, 16.6503, 19.3179



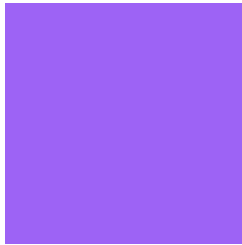
23.2218, 11.6322, 16.4082



2.0915, 1.0426, 1.7085

Previews

White Background



This preview shows how the XYZ color 34.8479, 22.6844, 88.9280 looks on a white background.

Color Contrast Check

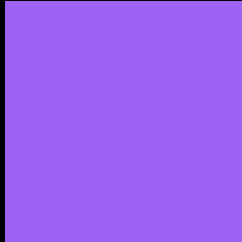
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.8479, 22.6844, 88.9280 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

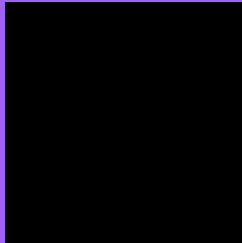
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.8479, 22.6844, 88.9280

Background



This preview shows how black text looks on a background with the XYZ color 34.8479, 22.6844, 88.9280.



This preview shows how white text looks on a background with the XYZ color 34.8479, 22.6844,

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

34.8479, 22.6844, 88.9280

Protanopia

27.0555, 23.1288, 97.6461

Deuteranopia

23.5279, 22.8312, 82.5237



Tritanopia

22.5021, 22.7155, 27.6246

Trichromacy



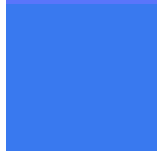
Original Color

34.8479, 22.6844, 88.9280



Protanomaly

27.9903, 21.8613, 94.0112



Deuteranomaly

24.1047, 20.7766, 84.4012



Tritanomaly

25.8420, 22.0109, 45.0060

Monochromacy



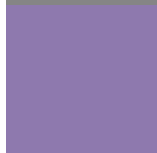
Original Color

34.8479, 22.6844, 88.9280



Achromatopsia

22.2940, 23.4551, 25.5426



Achromatomaly

25.6327, 22.4815, 43.0328

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.8479, 22.6844, 88.9280 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(157, 99, 245)` looks like.

```
.text, #text, p{  
    color:rgb(157, 99, 245)  
}
```

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(157, 99, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 99, 245) }
```

Border

The CSS property to change the border of an element to XYZ 34.8479, 22.6844, 88.9280 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(157, 99, 245) }
```


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

```
.border{ border-color:rgb(157, 99, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 99, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 99, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 99, 245);  
box-shadow:4px 4px 4px 4px rgb(157, 99,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 34.8479, 22.6844, 88.9280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 99, 245) }
```

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

```
.background{ background-color: rgb(157, 99,  
245) }
```

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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