

Converting Colors

XYZ(55.3862, 33.5208, 98.1587)

Have a look what the booklet for
XYZ(55.3862, 33.5208, 98.1587)
contains.

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Color

**XYZ(55.4345, 33.5457,
98.1610)**

Conversions

Conversions Part 1

Format	Color
Hex	E666FF
RGB	230, 102, 255
RGB Percent	90%, 40%, 100%
CMY	0.0980, 0.6000, 0.0000
CMYK	0.10, 0.60, 0.00, 0.00
HSL	290°, 100%, 70%
HSV	290°, 60%, 100%
XYZ	55.4345, 33.5457, 98.1610
YIQ	157.7140, 27.1750, 74.7190

Conversions

Conversions Part 2

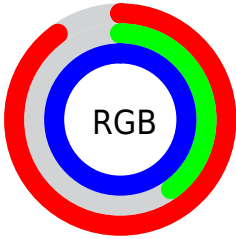
Format	Color
R _Y B	230, 102, 255
Decimal	15099647
CIE Lab	64.60, 70.34, -54.24
CIE LCh	65, 88.821, 322.361
Yxy	33.5457, 0.2962, 0.1793
Android (android.graphics.Color)	4293289727 (0xFFE666FF)
YUV	157.7140, 47.9620, 63.3948
Hunter-Lab	57.9186, 69.4864, -59.9421

Details

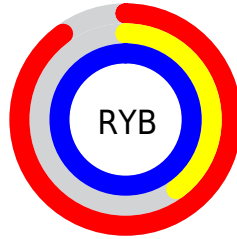
The XYZ color **55.4345, 33.5457, 98.1610** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **46.9113, 76.9917, 24.9601**, and the grayscale version is **32.1526, 33.8270, 36.8376**.

A 20% lighter version of the original color is **71.6881, 53.2763, 101.1127**, and **27.7464, 14.2527, 54.7147** is the 20% darker color. If you saturate the color by 10%, you get **51.9819, 28.6010, 97.3885**, and if you desaturate by 10%, it is **59.6919, 40.0505, 99.1922**.

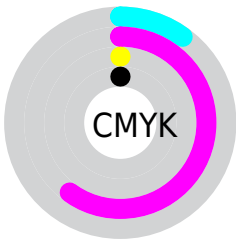
Distribution



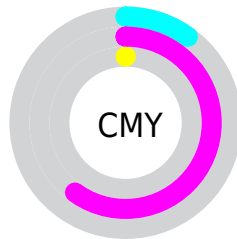
- Red (90%)
- Green (40%)
- Blue (100%)



- Red (90%)
- Yellow (40%)
- Blue (100%)



- Cyan (10%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)




- Cyan (10%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.4345, 33.5457, 98.1610 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 55.4345, 33.5457, 98.1610 by changing the saturation by 10% instead.


 55.4345, 33.5457,
98.1610


 55.4345, 33.5457,
98.1610


397.6665,
318.1016, 575.4767


 39.9849, 22.5448,
74.1573


 97.3219, 65.2266,
160.6574


 27.7109, 14.2578,
54.4252


 124.4904, 86.6753,
199.9873

 18.2472, 8.3002,
38.5462


 156.2960,
112.3755, 245.2629

 11.2284, 4.2876,
26.1018

 193.1039,
142.7115, 296.9028

 6.2891, 1.8357,
16.6734

235.2796,
178.0677, 355.3256

 3.0640, 0.5093,
9.8424

283.1883,

 1.1877, 0.0000,

218.8286, 420.9498

5.1903

337.1955,
265.3784, 494.1940

■ 0.0966, 0.0000,
2.2987

■ 0.0000, 0.0000,
0.7305

■ 55.4345, 33.5457,
98.1610

■ 55.4345, 33.5457,
98.1610

■ 51.9819, 28.6010,
97.3885

■ 59.6919, 40.0505,
99.1922

■ 49.2571, 25.0655,
96.8497

■ 64.8146, 48.2393,
100.5028

■ 47.1735, 22.7660,
96.5157

■ 70.8614, 58.2283,
102.1121

■ 45.5883, 21.4166,
96.3388

■ 77.8848, 70.1220,
104.0377

45.5880, 21.4164,
96.3388

85.9333, 84.0170,
106.2955

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



42.1222, 33.5457, 147.1237



55.4345, 33.5457, 98.1610



62.7823, 33.5457, 46.6483

Triad

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



55.4345, 33.5457, 98.1610



35.2465, 33.5457, 1.7984



14.1942, 33.5457, 70.1753

Complementary

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



55.4345, 33.5457, 98.1610



46.9113, 76.9917, 24.9601

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.



13.2694, 33.5457, 27.9847



55.4345, 33.5457, 98.1610



23.4560, 33.5457, 2.4973

Square

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



55.4345, 33.5457, 98.1610



49.2711, 33.5457, 4.3997



16.1750, 33.5457, 8.2777



19.1605, 33.5457, 124.7922

Rectangle

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



55.4345, 33.5457, 98.1610



62.2342, 33.5457, 23.4902



16.1750, 33.5457, 8.2777



13.4654, 33.5457, 53.6640

Sweetspot

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



55.4357, 33.5471, 98.1612



79.4095, 72.7353, 104.4617



31.1847, 25.3544, 97.8580



16.5245, 14.7594, 22.2279



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.



55.4357, 33.5471, 98.1612



51.3806, 27.7853, 97.2628



56.8912, 35.1234, 60.9088



18.4841, 18.1413, 22.7774



23.9291, 11.2464, 50.3441



2.4041, 1.1333, 4.9053

Inverse Universe

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



49.8228, 32.2961, 23.6875



45.8873, 26.7649, 15.1621



46.9901, 76.6451, 42.4558



18.1304, 18.0355, 19.3039



21.7994, 11.2091, 2.3282



2.1552, 1.1045, 0.3988

Previews

White Background



This preview shows how the XYZ color 55.4345, 33.5457, 98.1610 looks on a white background.

Color Contrast Check

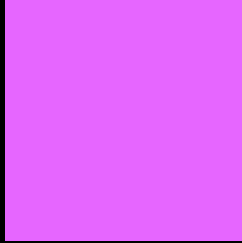
Large Text (above 18pt) WCAG AA × Fail

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 55.4345, 33.5457, 98.1610 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

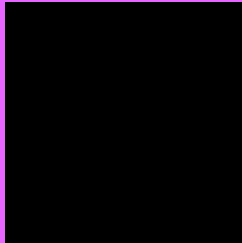
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.4345, 33.5457, 98.1610

Background



This preview shows how black text looks on a background with the XYZ color 55.4345, 33.5457, 98.1610.



This preview shows how white text looks on a background with the XYZ color 55.4345, 33.5457,

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

55.4345, 33.5457, 98.1610

Protanopia

36.6758, 33.9760, 99.2327

Deuteranopia

34.9688, 34.0215, 91.1100



Tritanopia

41.3698, 33.2053, 30.2154

Trichromacy



Original Color

55.4345, 33.5457, 98.1610



Protanomaly

40.6186, 31.7160, 98.5887



Deuteranomaly

39.3710, 31.6009, 93.6470

Tritanomaly

45.1265, 32.5954, 49.2605

Monochromacy



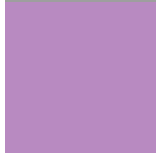
Original Color

55.4345, 33.5457, 98.1610



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

38.4813, 32.2176, 54.6425

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.4345, 33.5457, 98.1610 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(230, 102, 255)` looks like.

```
.text, #text, p{  
    color:rgb(230, 102, 255)  
}
```

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(230, 102, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 102, 255) }
```

Border

The CSS property to change the border of an element to XYZ 55.4345, 33.5457, 98.1610 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(230, 102, 255) }
```


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

```
.border{ border-color:rgb(230, 102, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 102, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 102, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 102, 255);  
box-shadow:4px 4px 4px 4px rgb(230, 102,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 55.4345, 33.5457, 98.1610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 102, 255) }
```

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

```
.background{ background-color: rgb(230,  
102, 255) }
```

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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