

# Converting Colors

XYZ(58.6683, 33.5870, 97.9985)

Have a look what the booklet for  
XYZ(58.6683, 33.5870, 97.9985)  
contains.

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# Color

**XYZ(58.6683, 33.5870,  
97.9985)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F35AFF
RGB	243, 90, 255
RGB Percent	95%, 35%, 100%
CMY	0.0471, 0.6470, 0.0000
CMYK	0.05, 0.65, 0.00, 0.00
HSL	296°, 100%, 68%
HSV	296°, 65%, 100%
XYZ	58.6683, 33.5870, 97.9985
YIQ	154.5570, 38.2230, 83.7510

# Conversions

## Conversions Part 2

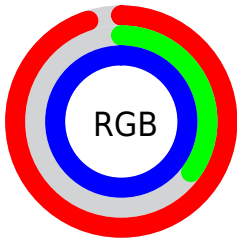
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	243, 90, 255
Decimal	15948543
CIE <sub>Lab</sub>	64.63, 78.16, -54.08
CIE <sub>LCh</sub>	65, 95.046, 325.323
Yxy	33.5870, 0.3084, 0.1765
Android (android.graphics.Color)	4294138623 (0xFFFF35AFF)
YUV	154.5570, 49.5184, 77.5645
Hunter-Lab	57.9543, 79.2791, -59.6891

# Details

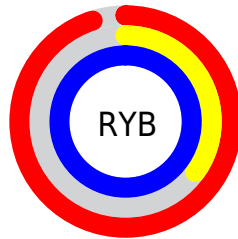
The XYZ color **58.6683, 33.5870, 97.9985** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **43.0858, 75.0833, 21.8960**, and the grayscale version is **30.7386, 32.3394, 35.2177**.

A 20% lighter version of the original color is **70.1963, 50.2927, 100.6154**, and **29.7975, 14.2965, 54.6151** is the 20% darker color. If you saturate the color by 10%, you get **56.2381, 29.6709, 97.3707**, and if you desaturate by 10%, it is **61.8447, 38.9839, 98.8728**.

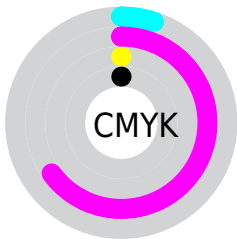
# Distribution



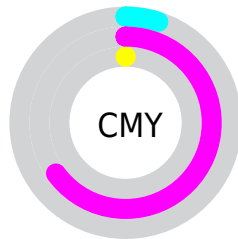
- Red (95%)
- Green (35%)
- Blue (100%)



- Red (95%)
- Yellow (35%)
- Blue (100%)



- Cyan (5%)
- Magenta (65%)
- Yellow (0%)
- Black (0%)




- Cyan (5%)
- Magenta (65%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.6683, 33.5870, 97.9985 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 58.6683, 33.5870, 97.9985 by changing the saturation by 10% instead.



 58.6683, 33.5870,  
97.9985


 58.6683, 33.5870,  
97.9985


409.5854,  
318.2866, 574.9482


 42.5915, 22.5765,  
74.0225

 102.0128, 65.2909,  
160.4317


 29.7579, 14.2811,  
54.3156


 130.0112, 86.7531,  
199.7261

 19.8020, 8.3164,  
38.4591


 162.7142,  
112.4680, 244.9636

 12.3586, 4.2981,  
26.0346

 200.4872,  
142.8200, 296.5629

 7.0624, 1.8417,  
16.6235

243.6954,  
178.1934, 354.9424

 3.5478, 0.5129,  
9.8073

292.7043,

 1.4496, 0.0000,

218.9727, 420.5208

5.1675

347.8792,  
265.5423, 493.7166

■ 0.2912, 0.0000,  
2.2854

■ 0.0000, 0.0000,  
0.7230

■ 58.6683, 33.5870,  
97.9985

■ 58.6683, 33.5870,  
97.9985

■ 56.2381, 29.6709,  
97.3707

■ 61.8447, 38.9839,  
98.8728

■ 54.4714, 27.0733,  
96.9624

■ 65.8316, 45.9933,  
100.0156

■ 53.2723, 25.6011,  
96.7415

■ 70.6905, 54.7368,  
101.4472

■ 52.7939, 25.1311,  
96.6760

■ 76.4758, 65.3237,  
103.1858

83.2376, 77.8538,  
105.2479

91.0224, 92.4201,  
107.6492

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.



44.4867, 33.5870, 154.9004



58.6683, 33.5870, 97.9985



65.7874, 33.5870, 43.0344

# Triad

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



58.6683, 33.5870, 97.9985



34.1071, 33.5870, 1.1827



13.6195, 33.5870, 78.9475

# Complementary

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



58.6683, 33.5870, 97.9985



43.0858, 75.0833, 21.8960

# 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.



12.2886, 33.5870, 30.7887



58.6683, 33.5870, 97.9985



21.9807, 33.5870, 2.0388

# Square

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



58.6683, 33.5870, 97.9985



49.2633, 33.5870, 3.0681



14.8660, 33.5870, 8.3425



19.2206, 33.5870, 139.4335



# Rectangle

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



58.6683, 33.5870, 97.9985



64.4305, 33.5870, 20.1150



14.8660, 33.5870, 8.3425



12.7405, 33.5870, 60.1878

# Sweetspot

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



58.6695, 33.5885, 97.9987



80.2096, 72.2258, 104.3212



27.1929, 19.2456, 96.8893



16.7587, 14.7012, 22.2043



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.



58.6695, 33.5885, 97.9987



55.5865, 28.6773, 97.2133



53.7865, 32.1294, 49.9621



18.6546, 18.2292, 22.7853



27.6411, 13.1600, 50.5179



2.7287, 1.3006, 4.9205



# Inverse Universe

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



47.2952, 29.5328, 15.7793



43.7824, 24.5474, 8.3186



46.2137, 76.1887, 44.9592



18.0630, 18.0085, 18.9487



21.6274, 11.1403, 1.4226



2.1235, 1.0918, 0.2319



# Previews

## White Background



This preview shows how the XYZ color 58.6683, 33.5870, 97.9985 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

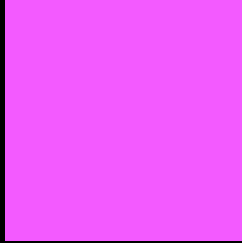
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.6683, 33.5870, 97.9985 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

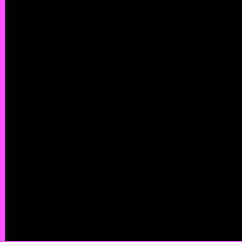
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 58.6683, 33.5870, 97.9985**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.6683, 33.5870, 97.9985.



This preview shows how white text looks on a background with the XYZ color 58.6683, 33.5870,

97.9985.

# 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

58.6683, 33.5870, 97.9985

### Protanopia

36.6758, 33.9760, 99.2327

### Deuteranopia

34.9416, 34.0251, 90.3138



## Tritanopia

43.8997, 33.1933, 27.3857

# Trichromacy



## Original Color

58.6683, 33.5870, 97.9985



## Protanomaly

41.0666, 31.1340, 98.4528



## Deuteranomaly

39.6289, 30.9233, 92.6871



## Tritanomaly

47.6461, 32.3886, 46.3882

# Monochromacy



## Original Color

58.6683, 33.5870, 97.9985



## Achromatopsia

31.1553, 32.7778, 35.6950



## Achromatomaly

38.0138, 30.5590, 53.1851

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.6683, 33.5870, 97.9985 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(243, 90, 255)` looks like.

```
.text, #text, p{  
    color:rgb(243, 90, 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(243, 90, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 90, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 58.6683, 33.5870, 97.9985 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(243, 90, 255) }
```



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

```
.border{ border-color:rgb(243, 90, 255) }
```

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

Here you see how a box with a 4 pixel rgb(243, 90, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 90, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 90, 255);  
box-shadow:4px 4px 4px 4px rgb(243, 90,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.6683, 33.5870, 97.9985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 90, 255) }
```

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

```
.background{ background-color: rgb(243, 90,  
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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