

# Converting Colors

XYZ(58.0779, 35.2879, 98.3579)

Have a look what the booklet for  
XYZ(58.0779, 35.2879, 98.3579)  
contains.

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# Color

**XYZ(58.0266, 35.3277,  
98.3683)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ED69FF
RGB	237, 105, 255
RGB Percent	93%, 41%, 100%
CMY	0.0706, 0.5882, 0.0000
CMYK	0.07, 0.59, 0.00, 0.00
HSL	293°, 100%, 71%
HSV	293°, 59%, 100%
XYZ	58.0266, 35.3277, 98.3683
YIQ	161.5680, 30.5220, 74.6340

# Conversions

## Conversions Part 2

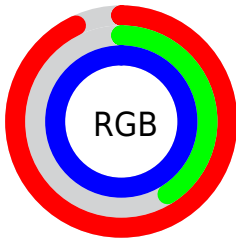
Format	Color
R <sub>Y</sub> B	237, 105, 255
Decimal	15559167
CIE <sub>Lab</sub>	66.00, 70.70, -51.96
CIE <sub>LCh</sub>	66, 87.741, 323.688
Y <sub>xy</sub>	35.3277, 0.3027, 0.1843
Android (android.graphics.Color)	4293749247 (0xFFED69FF)
YUV	161.5680, 46.0620, 66.1539
Hunter-Lab	59.4371, 70.2491, -56.5189

# Details

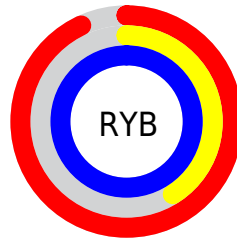
The XYZ color **58.0266, 35.3277, 98.3683** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **46.4791, 76.7513, 25.7310**, and the grayscale version is **33.9242, 35.6909, 38.8674**.

A 20% lighter version of the original color is **72.2103, 54.3207, 101.2868**, and **29.4538, 15.3436, 54.8353** is the 20% darker color. If you saturate the color by 10%, you get **54.7953, 30.3678, 97.5813**, and if you desaturate by 10%, it is **62.0562, 41.8562, 99.4161**.

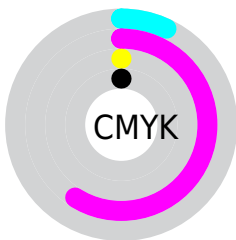
# Distribution



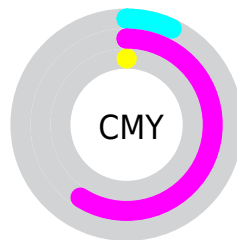
- Red (93%)
- Green (41%)
- Blue (100%)



- Red (93%)
- Yellow (41%)
- Blue (100%)



- Cyan (7%)
- Magenta (59%)
- Yellow (0%)
- Black (0%)




- Cyan (7%)
- Magenta (59%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.0266, 35.3277, 98.3683 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 58.0266, 35.3277, 98.3683 by changing the saturation by 10% instead.




 58.0266, 35.3277,  
98.3683


 58.0266, 35.3277,  
98.3683

407.2373,  
326.0124, 576.1504


 42.0734, 23.9154,  
74.3293


 101.0843, 67.9931,  
160.9453

 29.3501, 15.2709,  
54.5652


 128.9196, 90.0150,  
200.3204

 19.4914, 9.0097,  
38.6574


 161.4462,  
116.3423, 245.6445

 12.1320, 4.7475,  
26.1876

 199.0295,  
147.3593, 297.3363

 6.9065, 2.0999,  
16.7370

242.0349,  
183.4504, 355.8142

 3.4495, 0.6646,  
9.8872

290.8278,

 1.3957, 0.0000,

225.0000, 421.4969

5.2196

345.7735,  
272.3926, 494.8028

■ 0.2531, 0.0000,  
2.3157

■ 0.0000, 0.0000,  
0.7400

■ 58.0266, 35.3277,  
98.3683

■ 58.0266, 35.3277,  
98.3683

■ 54.7953, 30.3678,  
97.5813

■ 62.0562, 41.8562,  
99.4161

■ 52.2864, 26.8282,  
97.0303

■ 66.9435, 50.0752,  
100.7449

■ 50.4160, 24.5397,  
96.6872

■ 72.7466, 60.0995,  
102.3739

■ 49.0600, 23.2547,  
96.5106

■ 79.5172, 72.0326,  
104.3204

■ 48.9152, 23.1316,  
96.4945

■ 87.3032, 85.9701,  
106.6003

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.



44.6592, 35.3277, 148.3747



58.0266, 35.3277, 98.3683



65.0683, 35.3277, 46.8886

# Triad

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



58.0266, 35.3277, 98.3683



36.4028, 35.3277, 2.1641



15.4901, 35.3277, 75.0066

# Complementary

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



58.0266, 35.3277, 98.3683



46.4791, 76.7513, 25.7310

# 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.



14.3519, 35.3277, 31.1175



58.0266, 35.3277, 98.3683



24.5004, 35.3277, 3.0948

# Square

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



58.0266, 35.3277, 98.3683



50.6691, 35.3277, 4.8063



17.1901, 35.3277, 9.7333



20.8402, 35.3277, 129.8400



# Rectangle

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



58.0266, 35.3277, 98.3683



64.2039, 35.3277, 23.8863



17.1901, 35.3277, 9.7333



14.6712, 35.3277, 58.0226

# Sweetspot

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



58.0278, 35.3292, 98.3686



80.1177, 73.1003, 104.4949



31.2107, 24.8921, 97.7674



16.6996, 14.8497, 22.2361



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.



58.0278, 35.3292, 98.3686



54.1897, 29.4809, 97.4420



56.7178, 35.5346, 58.5144



18.5655, 18.1832, 22.7812



25.6442, 12.1306, 50.4244



2.5548, 1.2110, 4.9124



# Inverse Universe

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



49.8676, 32.7945, 22.4419



45.7818, 26.9894, 13.7845



47.9319, 77.0618, 45.6076



18.0980, 18.0225, 19.1333



21.7029, 11.1705, 1.8202



2.1400, 1.0984, 0.3189



# Previews

## White Background



This preview shows how the XYZ color 58.0266, 35.3277, 98.3683 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

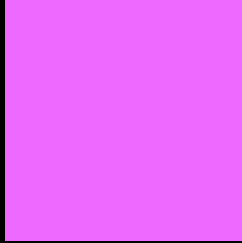
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.0266, 35.3277, 98.3683 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

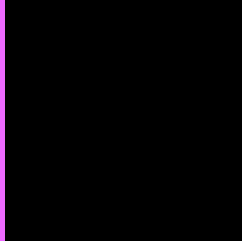
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 58.0266, 35.3277, 98.3683**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.0266, 35.3277, 98.3683.



This preview shows how white text looks on a background with the XYZ color 58.0266, 35.3277,



# 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

58.0266, 35.3277, 98.3683

### Protanopia

38.3029, 35.8113, 99.5012

### Deuteranopia

36.6600, 35.6561, 91.3363



## Tritanopia

44.2062, 35.0603, 31.2254

# Trichromacy



## Original Color

58.0266, 35.3277, 98.3683



## Protanomaly

42.5925, 33.5778, 98.8440



## Deuteranomaly

41.3773, 33.2771, 93.8648



## Tritanomaly

47.9595, 34.4121, 50.0134

# Monochromacy



## Original Color

58.0266, 35.3277, 98.3683



## Achromatopsia

34.3422, 36.1307, 39.3463



## Achromatomaly

40.4749, 33.8541, 56.6258

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.0266, 35.3277, 98.3683 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(237, 105, 255)` looks like.

```
.text, #text, p{  
    color:rgb(237, 105, 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(237, 105, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 105, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 58.0266, 35.3277, 98.3683 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(237, 105, 255) }
```



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

```
.border{ border-color:rgb(237, 105, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 105, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 105, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 105, 255);  
box-shadow:4px 4px 4px 4px rgb(237, 105,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.0266, 35.3277, 98.3683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 105, 255) }
```

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

```
.background{ background-color: rgb(237,  
105, 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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