

Converting Colors

XYZ(58.2400, 33.7495, 98.0525)

Have a look what the booklet for
XYZ(58.2400, 33.7495, 98.0525)
contains.

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Color

**XYZ(58.2400, 33.7495,
98.0525)**

Conversions

Conversions Part 1

Format	Color
Hex	F15DFF
RGB	241, 93, 255
RGB Percent	95%, 36%, 100%
CMY	0.0549, 0.6353, 0.0000
CMYK	0.05, 0.64, 0.00, 0.00
HSL	295°, 100%, 68%
HSV	295°, 64%, 100%
XYZ	58.2400, 33.7495, 98.0525
YIQ	155.7200, 36.2060, 81.7580

Conversions

Conversions Part 2

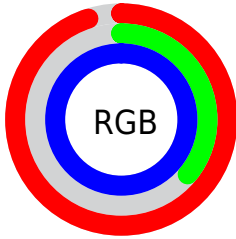
Format	Color
R _Y B	241, 93, 255
Decimal	15818239
CIE Lab	64.76, 76.57, -53.89
CIE LCh	65, 93.628, 324.861
Yxy	33.7495, 0.3065, 0.1776
Android (android.graphics.Color)	4294008319 (0xFFFF15DFF)
YUV	155.7200, 48.9450, 74.7906
Hunter-Lab	58.0943, 77.2826, -59.4046

Details

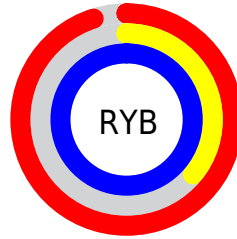
The XYZ color **58.2400, 33.7495, 98.0525** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **43.8000, 75.4365, 22.6096**, and the grayscale version is **31.2547, 32.8823, 35.8089**.

A 20% lighter version of the original color is **70.5182, 50.9365, 100.7227**, and **29.4820, 14.3667, 54.6453** is the 20% darker color. If you saturate the color by 10%, you get **55.6160, 29.6105, 97.3918**, and if you desaturate by 10%, it is **61.6213, 39.3877, 98.9625**.

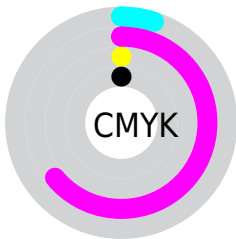
Distribution



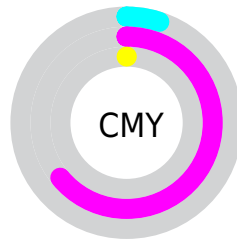
- Red (95%)
- Green (36%)
- Blue (100%)



- Red (95%)
- Yellow (36%)
- Blue (100%)



- Cyan (5%)
- Magenta (64%)
- Yellow (0%)
- Black (0%)





- Cyan (5%)
- Magenta (64%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.2400, 33.7495, 98.0525 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 58.2400, 33.7495, 98.0525 by changing the saturation by 10% instead.


 58.2400, 33.7495,
98.0525


 58.2400, 33.7495,
98.0525

408.0191,
319.0136, 575.1238


 42.2456, 22.7012,
74.0673


 101.3932, 65.5439,
160.5067


 29.4856, 14.3731,
54.3520


 129.2828, 87.0589,
199.8129

 19.5946, 8.3806,
38.4881


 161.8682,
112.8315, 245.0631

 12.2073, 4.3394,
26.0569

 199.5147,
143.2462, 296.6759

 6.9582, 1.8652,
16.6401

242.5876,
178.6874, 355.0698

 3.4821, 0.5273,
9.8190

291.4525,

 1.4135, 0.0000,

219.5394, 420.6634

5.1751

346.4745,
266.1867, 493.8752

■ 0.2658, 0.0000,
2.2898

■ 0.0000, 0.0000,
0.7255

■ 58.2400, 33.7495,
98.0525

■ 58.2400, 33.7495,
98.0525

■ 55.6160, 29.6105,
97.3918

■ 61.6213, 39.3877,
98.9625

■ 53.6681, 26.8113,
96.9542


■ 65.8233, 46.6546,
100.1437

■ 52.3032, 25.1645,
96.7083

■ 70.9065, 55.6704,
101.6160

■ 51.6429, 24.5378,
96.6221

■ 76.9249, 66.5431,
103.3975

 83.9282, 79.3717,
105.5045

 91.9624, 94.2484,
107.9526

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.



44.2361, 33.7495, 153.3800



58.2400, 33.7495, 98.0525



65.3784, 33.7495, 43.7951

Triad

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



58.2400, 33.7495, 98.0525



34.4526, 33.7495, 1.3244



13.8585, 33.7495, 77.5507

Complementary

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



58.2400, 33.7495, 98.0525



43.8000, 75.4365, 22.6096

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.



12.5882, 33.7495, 30.4996



58.2400, 33.7495, 98.0525



22.3804, 33.7495, 2.1785

Square

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



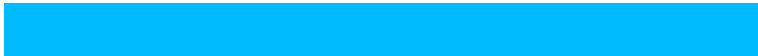
58.2400, 33.7495, 98.0525



49.4000, 33.7495, 3.3520



15.2261, 33.7495, 8.4646



19.3679, 33.7495, 136.8034

Rectangle

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



58.2400, 33.7495, 98.0525



64.1616, 33.7495, 20.8262



15.2261, 33.7495, 8.4646



13.0009, 33.7495, 59.2257

Sweetspot

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



58.2412, 33.7509, 98.0527



79.9704, 72.1025, 104.3100



28.0555, 20.5287, 97.0915



16.7000, 14.6709, 22.2015



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.



58.2412, 33.7509, 98.0527



55.0745, 28.7999, 97.2639



54.4713, 32.8164, 52.2946



18.6287, 18.2159, 22.7841



27.0488, 12.8546, 50.4901



2.6773, 1.2741, 4.9181

Inverse Universe

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



47.8090, 30.1515, 17.2112



44.2927, 25.1682, 9.7211



46.4295, 76.3094, 44.5414



18.0731, 18.0125, 19.0020



21.6463, 11.1478, 1.5219



2.1283, 1.0937, 0.2571

Previews

White Background



This preview shows how the XYZ color 58.2400, 33.7495, 98.0525 looks on a white background.

Color Contrast Check

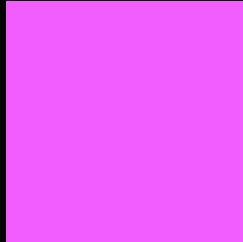
Large Text (above 18pt) WCAG AA × Fail

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 58.2400, 33.7495, 98.0525 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

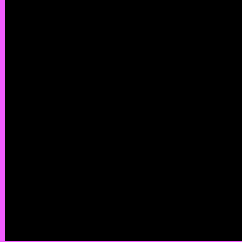
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.2400, 33.7495, 98.0525

Background



This preview shows how black text looks on a background with the XYZ color 58.2400, 33.7495, 98.0525.



This preview shows how white text looks on a background with the XYZ color 58.2400, 33.7495,

98.0525.

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

58.2400, 33.7495, 98.0525

Protanopia

36.8081, 34.0442, 99.2389

Deuteranopia

35.0682, 34.0903, 90.3198



Tritanopia

43.5986, 33.4132, 27.8184

Trichromacy



Original Color

58.2400, 33.7495, 98.0525



Protanomaly

40.9992, 31.2996, 98.4883



Deuteranomaly

39.7664, 31.1984, 92.7329

Tritanomaly

47.3239, 32.5457, 46.9677

Monochromacy



Original Color

58.2400, 33.7495, 98.0525



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

38.3955, 31.1456, 53.8572

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.2400, 33.7495, 98.0525 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(241, 93, 255)` looks like.

```
.text, #text, p{  
    color:rgb(241, 93, 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(241, 93, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 93, 255) }
```

Border

The CSS property to change the border of an element to XYZ 58.2400, 33.7495, 98.0525 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(241, 93, 255) }
```


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

```
.border{ border-color:rgb(241, 93, 255) }
```

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

Here you see how a box with a 4 pixel rgb(241, 93, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 93, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 93, 255);  
box-shadow:4px 4px 4px 4px rgb(241, 93,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 58.2400, 33.7495, 98.0525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 93, 255) }
```

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

```
.background{ background-color: rgb(241, 93,  
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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