

Converting Colors

XYZ(58.2722, 31.3381, 97.5853)

Have a look what the booklet for
XYZ(58.2722, 31.3381, 97.5853)
contains.

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Color

**XYZ(58.3093, 31.3193,
97.5797)**

Conversions

Conversions Part 1

Format	Color
Hex	F647FF
RGB	246, 71, 255
RGB Percent	96%, 28%, 100%
CMY	0.0353, 0.7215, 0.0000
CMYK	0.04, 0.72, 0.00, 0.00
HSL	297°, 100%, 64%
HSV	297°, 72%, 100%
XYZ	58.3093, 31.3193, 97.5797
YIQ	144.3010, 45.2360, 94.3240

Conversions

Conversions Part 2

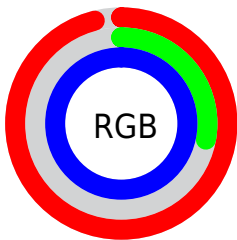
Format	Color
R _{YB}	246, 71, 255
Decimal	16140287
CIE Lab	62.78, 85.30, -57.00
CIE LCh	63, 102.592, 326.246
Yxy	31.3193, 0.3115, 0.1673
Android (android.graphics.Color)	4294330367 (0xFFFF647FF)
YUV	144.3010, 54.5746, 89.1900
Hunter-Lab	55.9636, 88.0452, -64.2051

Details

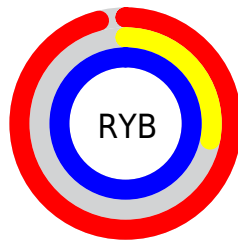
The XYZ color **58.3093, 31.3193, 97.5797** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **40.2064, 73.6808, 18.0653**, and the grayscale version is **26.4065, 27.7817, 30.2542**.

A 20% lighter version of the original color is **67.9540, 45.8079, 99.8680**, and **30.0856, 14.3455, 54.0066** is the 20% darker color. If you saturate the color by 10%, you get **56.5786, 28.5042, 97.1276**, and if you desaturate by 10%, it is **60.7250, 35.4982, 98.2590**.

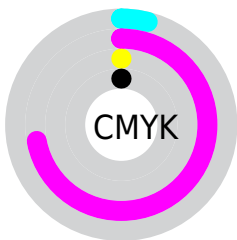
Distribution



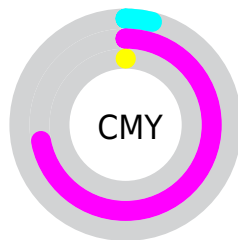
- Red (96%)
- Green (28%)
- Blue (100%)



- Red (96%)
- Yellow (28%)
- Blue (100%)



- Cyan (4%)
- Magenta (72%)
- Yellow (0%)
- Black (0%)





- Cyan (4%)
- Magenta (72%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.3093, 31.3193, 97.5797 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 58.3093, 31.3193, 97.5797 by changing the saturation by 10% instead.


 58.3093, 31.3193,
97.5797

 58.3093, 31.3193,
97.5797

408.2728,
308.0066, 573.5850


 42.3016, 20.8421,
73.6752

 101.4935, 61.7424,
159.8499

 29.5297, 13.0086,
54.0331


 129.4007, 82.4572,
199.0527

 19.6281, 7.4345,
38.2347

 162.0051,
107.3532, 244.1920

 12.2317, 3.7353,
25.8617

 199.6721,
136.8149, 295.6863

 6.9750, 1.5266,
16.4954

242.7670,
171.2267, 353.9542

 3.4927, 0.3073,
9.7172

291.6552,

 1.4193, 0.0000,

210.9730, 419.4143

5.1087

346.7020,
256.4382, 492.4851

■ 0.2699, 0.0000,
2.2513

■ 0.0000, 0.0000,
0.7038

■ 58.3093, 31.3193,
97.5797

■ 58.3093, 31.3193,
97.5797

■ 56.5786, 28.5042,
97.1276

■ 60.7250, 35.4982,
98.2590

■ 55.4380, 26.8658,
96.8714

■ 63.8980, 41.1883,
99.1901

■ 54.8499, 26.1911,
96.7722

■ 67.8952, 48.5223,
100.3950

■ 72.7752, 57.6176,
101.8934

78.5913, 68.5806,
103.7029

85.3924, 81.5093,
105.8399

93.2242, 96.4949,
108.3197

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.



43.3654, 31.3193, 160.9689



58.3093, 31.3193, 97.5797



65.6257, 31.3193, 39.4158

Triad

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



58.3093, 31.3193, 97.5797



31.5700, 31.3193, 0.4099



11.5332, 31.3193, 80.9597

Complementary

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



58.3093, 31.3193, 97.5797



40.2064, 73.6808, 18.0653

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.



10.1453, 31.3193, 29.2876



58.3093, 31.3193, 97.5797



19.3592, 31.3193, 1.1441

Square

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



58.3093, 31.3193, 97.5797



47.4181, 31.3193, 1.7553



12.4979, 31.3193, 6.6640



17.1518, 31.3193, 147.1462

Rectangle

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



58.3093, 31.3193, 97.5797



63.9140, 31.3193, 16.7296



12.4979, 31.3193, 6.6640



10.6509, 31.3193, 60.6095

Sweetspot

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



58.3105, 31.3207, 97.5799



78.6883, 68.7642, 103.7332



23.5330, 14.3277, 96.1329



16.4837, 14.0396, 22.0911



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.



58.3105, 31.3207, 97.5799



55.9585, 27.5761, 96.9811



50.9597, 28.7539, 41.9965



18.6997, 18.2524, 22.7874



28.6986, 13.7052, 50.5674



2.8202, 1.3478, 4.9248

Inverse Universe

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



44.9419, 26.3468, 10.3073



42.2426, 22.5379, 4.5066



44.1756, 75.1865, 42.6706



18.0454, 18.0015, 18.8561



21.6000, 11.1293, 1.2783



2.1152, 1.0885, 0.1881

Previews

White Background



This preview shows how the XYZ color 58.3093, 31.3193, 97.5797 looks on a white background.

Color Contrast Check

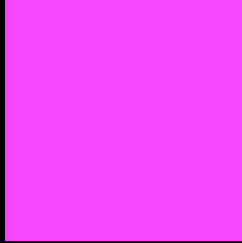
Large Text (above 18pt) WCAG AA × Fail

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 58.3093, 31.3193, 97.5797 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

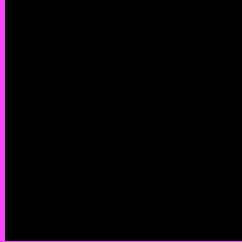
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.3093, 31.3193, 97.5797

Background



This preview shows how black text looks on a background with the XYZ color 58.3093, 31.3193, 97.5797.



This preview shows how white text looks on a background with the XYZ color 58.3093, 31.3193,

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

58.3093, 31.3193, 97.5797

Protanopia

34.6231, 31.7181, 98.9051

Deuteranopia

32.5108, 31.5766, 88.3858



Tritanopia

43.0180, 31.1922, 23.1554

Trichromacy



Original Color

58.3093, 31.3193, 97.5797



Protanomaly

38.5977, 27.9627, 97.9708



Deuteranomaly

37.0083, 27.6536, 91.3828

Tritanomaly

46.5956, 29.9258, 42.3501

Monochromacy



Original Color

58.3093, 31.3193, 97.5797



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

34.0691, 26.0070, 48.5716

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.3093, 31.3193, 97.5797 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(246, 71, 255)` looks like.

```
.text, #text, p{  
    color:rgb(246, 71, 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(246, 71, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 71, 255) }
```

Border

The CSS property to change the border of an element to XYZ 58.3093, 31.3193, 97.5797 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(246, 71, 255) }
```


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

```
.border{ border-color:rgb(246, 71, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 71, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 71, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 71, 255);  
box-shadow:4px 4px 4px 4px rgb(246, 71,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 58.3093, 31.3193, 97.5797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 71, 255) }
```

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

```
.background{ background-color: rgb(246, 71,  
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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