

Converting Colors

XYZ(59.3988, 37.3537, 83.7462)

Have a look what the booklet for
XYZ(59.3988, 37.3537, 83.7462)
contains.

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Color

**XYZ(59.1825, 37.1992,
83.4178)**

Conversions

Conversions Part 1

Format	Color
Hex	F76FEC
RGB	247, 111, 236
RGB Percent	97%, 44%, 93%
CMY	0.0314, 0.5647, 0.0745
CMYK	0.00, 0.55, 0.04, 0.03
HSL	305°, 89%, 70%
HSV	305°, 55%, 97%
XYZ	59.1825, 37.1992, 83.4178
YIQ	165.9140, 40.9310, 67.7070

Conversions

Conversions Part 2

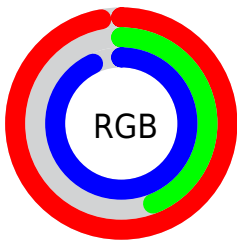
Format	Color
R _Y B	247, 111, 236
Decimal	16216044
CIE Lab	67.43, 67.37, -39.17
CIE LCh	67, 77.924, 329.826
Yxy	37.1992, 0.3292, 0.2069
Android (android.graphics.Color)	4294406124 (0xFFFF76FEC)
YUV	165.9140, 34.5524, 71.1124
Hunter-Lab	60.9911, 66.4722, -38.3973

Details

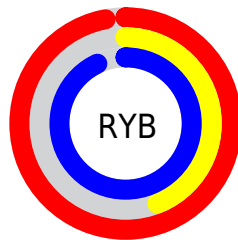
The XYZ color **59.1825, 37.1992, 83.4178** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **43.3308, 71.3075, 29.8947**, and the grayscale version is **36.0301, 37.9065, 41.2802**.

A 20% lighter version of the original color is **73.2926, 56.4853, 101.6475**, and **30.1611, 16.3543, 44.7470** is the 20% darker color. If you saturate the color by 10%, you get **56.5622, 32.4197, 81.1204**, and if you desaturate by 10%, it is **62.5535, 43.4732, 85.9821**.

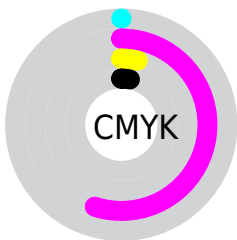
Distribution



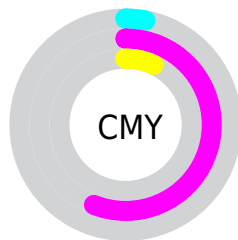
- Red (97%)
- Green (44%)
- Blue (93%)



- Red (97%)
- Yellow (44%)
- Blue (93%)



- Cyan (0%)
- Magenta (55%)
- Yellow (4%)
- Black (3%)





- Cyan (3%)
- Magenta (56%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.1825, 37.1992, 83.4178 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 59.1825, 37.1992, 83.4178 by changing the saturation by 10% instead.


 59.1825, 37.1992,
83.4178

 59.1825, 37.1992,
83.4178


411.4611,
334.1721, 526.3853


 43.0070, 25.3618,
61.9923


 102.7560, 70.8790,
140.0149

 30.0851, 16.3468,
44.5907


 130.8846, 93.4902,
176.0236

 20.0516, 9.7699,
30.7946


 163.7284,
120.4615, 217.7304

 12.5410, 5.2466,
20.1853

201.6526,
152.1772, 265.5539

 7.1881, 2.3927,
12.3444

245.0226,
189.0217, 319.9126

 3.6274, 0.8221,
6.8533

294.2038,

 1.4936, 0.0000,

231.3794, 381.2250

3.2935

349.5615,
279.6348, 449.9098

■ 0.3215, 0.0000,
1.2464

■ 0.0000, 0.0000,
0.0172

■ 59.1825, 37.1992,
83.4178

■ 59.1825, 37.1992,
83.4178

■ 56.5622, 32.4197,
81.1204

■ 62.5535, 43.4732,
85.9821

■ 54.6257, 29.0035,
79.0666


■ 66.7274, 51.3484,
88.8298

■ 53.3007, 26.8052,
77.2325

■ 71.7558, 60.9276,
91.9784


■ 52.4970, 25.6443,
75.5881


■ 77.6852, 72.3037,
95.4436

 52.2263, 25.3216,
74.8235

 84.5588, 85.5626,
99.2397

 91.0597, 98.0710,
102.9278

 91.3714, 98.1957,
104.5693

 91.6864, 98.3217,
106.2282

 92.0048, 98.4490,
107.9046

Harmonies

Analogous

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



48.0652, 37.1992, 128.6570



59.1825, 37.1992, 83.4178



63.6824, 37.1992, 40.7039

Triad

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



59.1825, 37.1992, 83.4178



35.4266, 37.1992, 3.8978



18.9299, 37.1992, 82.8585

Complementary

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



59.1825, 37.1992, 83.4178



43.3308, 71.3075, 29.8947

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.



16.9926, 37.1992, 40.3040



59.1825, 37.1992, 83.4178



25.1125, 37.1992, 6.0305

Square

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



59.1825, 37.1992, 83.4178



48.2138, 37.1992, 6.0869



18.9760, 37.1992, 15.6083



25.0164, 37.1992, 128.2255

Rectangle

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



59.1825, 37.1992, 83.4178



61.6870, 37.1992, 22.0281



18.9760, 37.1992, 15.6083



17.8423, 37.1992, 67.1837

Sweetspot

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



59.1838, 37.2009, 83.4186



82.1866, 75.1684, 101.8524



30.2297, 22.0841, 90.6660



17.3081, 15.5451, 21.6371



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.



59.1838, 37.2009, 83.4186



60.5589, 34.4019, 86.9704



51.2932, 34.0447, 41.8672



17.1524, 16.7438, 20.5491



27.6457, 13.4017, 39.7040



2.4466, 1.1846, 3.5781

Inverse Universe

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



59.1838, 37.2009, 83.4186



60.5589, 34.4019, 86.9704



48.9022, 73.5361, 59.2332



17.1524, 16.7438, 20.5491



27.6457, 13.4017, 39.7040



2.4466, 1.1846, 3.5781

Previews

White Background



This preview shows how the XYZ color 59.1825, 37.1992, 83.4178 looks on a white background.

Color Contrast Check

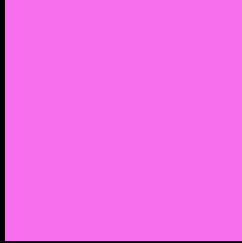
Large Text (above 18pt) WCAG AA × Fail

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 59.1825, 37.1992, 83.4178 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

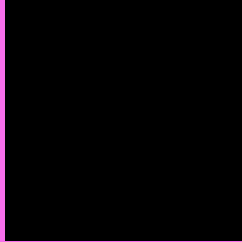
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.1825, 37.1992, 83.4178

Background



This preview shows how black text looks on a background with the XYZ color 59.1825, 37.1992, 83.4178.



This preview shows how white text looks on a background with the XYZ color 59.1825, 37.1992,

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

59.1825, 37.1992, 83.4178

Protanopia

40.0236, 37.7278, 99.7805

Deuteranopia

38.2871, 37.3160, 77.8578



Tritanopia

48.1512, 36.8967, 30.9695

Trichromacy



Original Color

59.1825, 37.1992, 83.4178



Protanomaly

43.7790, 35.1929, 93.2924



Deuteranomaly

43.1614, 35.1818, 79.3788



Tritanomaly

51.3318, 36.6213, 45.9581

Monochromacy



Original Color

59.1825, 37.1992, 83.4178



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

42.1885, 35.9215, 54.0002

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.1825, 37.1992, 83.4178 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(247, 111, 236)` looks like.

```
.text, #text, p{  
    color:rgb(247, 111, 236)  
}
```

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(247, 111, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 111, 236) }
```

Border

The CSS property to change the border of an element to XYZ 59.1825, 37.1992, 83.4178 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(247, 111, 236) }
```


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

```
.border{ border-color:rgb(247, 111, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 111, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 111, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 111, 236);  
box-shadow:4px 4px 4px 4px rgb(247, 111,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 59.1825, 37.1992, 83.4178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 111, 236) }
```

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

```
.background{ background-color: rgb(247,  
111, 236) }
```

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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