

Converting Colors

XYZ(77.8668, 44.8369, 83.2090)

Have a look what the booklet for
XYZ(77.8668, 44.8369, 83.2090)
contains.

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Color

**XYZ(60.6031, 35.9935,
82.3506)**

Conversions

Conversions Part 1

Format	Color
Hex	FF62EB
RGB	255, 98, 235
RGB Percent	100%, 38%, 92%
CMY	0.0000, 0.6157, 0.0784
CMYK	0.00, 0.62, 0.08, 0.00
HSL	308°, 100%, 69%
HSV	308°, 62%, 100%
XYZ	60.6031, 35.9935, 82.3506
YIQ	160.5610, 49.5950, 75.8910

Conversions

Conversions Part 2

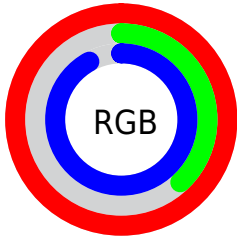
Format	Color
R _Y B	255, 98, 235
Decimal	16737003
CIE Lab	66.51, 74.68, -39.95
CIE LCh	67, 84.698, 331.854
Yxy	35.9935, 0.3387, 0.2011
Android (android.graphics.Color)	4294927083 (0xFFFF62EB)
YUV	160.5610, 36.6984, 82.8230
Hunter-Lab	59.9946, 75.3200, -39.3873

Details

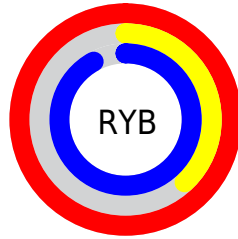
The XYZ color **60.6031, 35.9935, 82.3506** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **44.0682, 75.4252, 29.3775**, and the grayscale version is **33.4936, 35.2379, 38.3741**.

A 20% lighter version of the original color is **71.3470, 52.5939, 100.9990**, and **31.0576, 15.6873, 44.0389** is the 20% darker color. If you saturate the color by 10%, you get **58.1206, 31.7727, 79.2290**, and if you desaturate by 10%, it is **63.8553, 41.7398, 85.7720**.

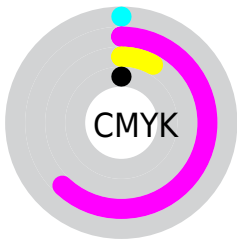
Distribution



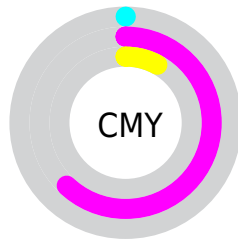
- Red (100%)
- Green (38%)
- Blue (92%)



- Red (100%)
- Yellow (38%)
- Blue (92%)



- Cyan (0%)
- Magenta (62%)
- Yellow (8%)
- Black (0%)





- Cyan (0%)
- Magenta (62%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 60.6031, 35.9935, 82.3506 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 60.6031, 35.9935, 82.3506 by changing the saturation by 10% instead.


 60.6031, 35.9935,
82.3506


 60.6031, 35.9935,
82.3506

416.6164,
328.9321, 522.7339


 44.1563, 24.4292,
61.1171

 104.8054, 69.0220,
138.5066


 30.9918, 15.6523,
43.8885


 133.2916, 91.2550,
174.2662

 20.7444, 9.2784,
30.2463


 166.5216,
117.8130, 215.7049

 13.0487, 4.9232,
19.7720

 204.8608,
149.0805, 263.2413

 7.5393, 2.2023,
12.0470

248.6745,
185.4417, 317.2938

 3.8509, 0.7212,
6.6527

298.3281,

 1.6181, 0.0000,

227.2811, 378.2810

3.1708

354.1870,
274.9831, 446.6216

■ 0.4042, 0.0000,
1.1825

■ 0.0000, 0.0000,
0.0000

■ 60.6031, 35.9935,
82.3506

■ 60.6031, 35.9935,
82.3506

■ 58.1206, 31.7727,
79.2290

■ 63.8553, 41.7398,
85.7720

■ 56.3305, 28.9231,
76.3797


■ 67.9402, 49.1379,
89.5130


■ 55.1431, 27.2654,
73.7733

■ 72.9169, 58.3056,
93.5940

■ 54.4940, 26.5616,
71.7247

■ 78.8384, 69.3489,
98.0329

 85.7535, 82.3656,
102.8461

 93.7077, 97.4463,
108.0491

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.



48.7984, 35.9935, 133.7786



60.6031, 35.9935, 82.3506



64.9141, 35.9935, 36.9697

Triad

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



60.6031, 35.9935, 82.3506



33.4262, 35.9935, 2.6028



17.3670, 35.9935, 88.9539

Complementary

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



60.6031, 35.9935, 82.3506



44.0682, 75.4252, 29.3775

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.



15.1357, 35.9935, 41.4991



60.6031, 35.9935, 82.3506



22.8652, 35.9935, 4.7336

Square

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



60.6031, 35.9935, 82.3506



47.0836, 35.9935, 4.2016



16.8686, 35.9935, 14.5769



23.9282, 35.9935, 138.9782

Rectangle

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



60.6031, 35.9935, 82.3506



62.2782, 35.9935, 18.4830



16.8686, 35.9935, 14.5769



16.1709, 35.9935, 71.4470

Sweetspot

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



60.6039, 35.9949, 82.3513



81.1877, 73.7591, 99.7054



29.6639, 19.6919, 96.8452



16.9651, 15.0131, 21.0481



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.



60.6039, 35.9949, 82.3513



57.6241, 30.9589, 78.5113



51.7961, 32.4718, 35.9704



18.6872, 18.2582, 22.2359



28.5134, 13.8946, 37.6834



2.8029, 1.3635, 3.8094

Inverse Universe

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



60.6039, 35.9949, 82.3513



57.6241, 30.9589, 78.5113



50.6277, 78.0491, 63.9194



18.6872, 18.2582, 22.2359



28.5134, 13.8946, 37.6834



2.8029, 1.3635, 3.8094

Previews

White Background



This preview shows how the XYZ color 60.6031, 35.9935, 82.3506 looks on a white background.

Color Contrast Check

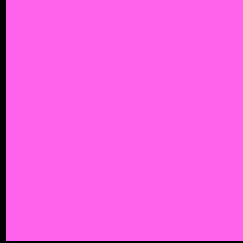
Large Text (above 18pt) WCAG AA × Fail

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 60.6031, 35.9935, 82.3506 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 60.6031, 35.9935, 82.3506

Background



This preview shows how black text looks on a background with the XYZ color 60.6031, 35.9935, 82.3506.



This preview shows how white text looks on a background with the XYZ color 60.6031, 35.9935,

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

60.6031, 35.9935, 82.3506

Protanopia

38.9056, 36.3762, 99.5785

Deuteranopia

37.1459, 36.2406, 76.2715



Tritanopia

49.0722, 35.8760, 26.8926

Trichromacy



Original Color

60.6031, 35.9935, 82.3506



Protanomaly

42.9022, 33.4393, 93.0002



Deuteranomaly

42.3799, 33.4935, 78.3600



Tritanomaly

52.3075, 35.3875, 42.6016

Monochromacy



Original Color

60.6031, 35.9935, 82.3506



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

40.6713, 33.4099, 51.8821

CSS Examples

Text

The CSS property to change the color of the text to XYZ 60.6031, 35.9935, 82.3506 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(255, 98, 235)` looks like.

```
.text, #text, p{  
    color:rgb(255, 98, 235)  
}
```

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(255, 98, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 98, 235) }
```

Border

The CSS property to change the border of an element to XYZ 60.6031, 35.9935, 82.3506 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(255, 98, 235) }
```


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

```
.border{ border-color:rgb(255, 98, 235) }
```

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

Here you see how a box with a 4 pixel rgb(255, 98, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 98, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 98, 235);  
box-shadow:4px 4px 4px 4px rgb(255, 98,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 60.6031, 35.9935, 82.3506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 98, 235) }
```

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

```
.background{ background-color: rgb(255, 98,  
235) }
```

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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