

Converting Colors

XYZ(61.5106, 38.6764, 79.9778)

Have a look what the booklet for
XYZ(61.5106, 38.6764, 79.9778)
contains.

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Color

**XYZ(61.4580, 38.6179,
79.8161)**

Conversions

Conversions Part 1

Format	Color
Hex	FF70E7
RGB	255, 112, 231
RGB Percent	100%, 44%, 91%
CMY	0.0000, 0.5608, 0.0941
CMYK	0.00, 0.56, 0.09, 0.00
HSL	310°, 100%, 72%
HSV	310°, 56%, 100%
XYZ	61.4580, 38.6179, 79.8161
YIQ	168.3230, 47.0290, 67.3250

Conversions

Conversions Part 2

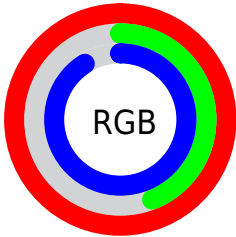
Format	Color
R_{YB}	255, 112, 231
Decimal	16740583
CIE _{Lab}	68.47, 68.25, -34.69
CIE _{LCh}	68, 76.563, 333.059
Yxy	38.6179, 0.3416, 0.2147
Android (android.graphics.Color)	4294930663 (0xFFFF70E7)
YUV	168.3230, 30.8998, 76.0157
Hunter-Lab	62.1433, 67.7808, -32.6510

Details

The XYZ color **61.4580, 38.6179, 79.8161** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **46.8874, 76.7430, 35.6367**, and the grayscale version is **37.2162, 39.1543, 42.6391**.

A 20% lighter version of the original color is **73.4780, 56.8559, 101.7093**, and **31.4715, 17.1532, 42.2096** is the 20% darker color. If you saturate the color by 10%, you get **58.4350, 33.5275, 75.8628**, and if you desaturate by 10%, it is **65.2939, 45.3103, 84.1143**.

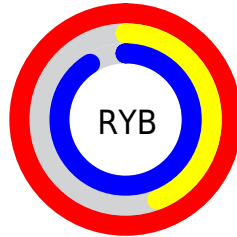
Distribution



Red (100%)

Green (44%)

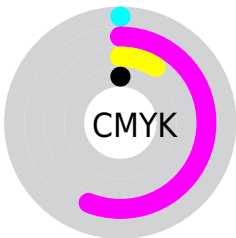
Blue (91%)



Red (100%)

Yellow (44%)

Blue (91%)

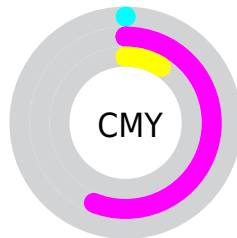


Cyan (0%)

Magenta (56%)

Yellow (9%)

Black (0%)



Cyan (0%)


Magenta (56%)


Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 61.4580, 38.6179, 79.8161 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 61.4580, 38.6179, 79.8161 by changing the saturation by 10% instead.


 61.4580, 38.6179,
79.8161


 61.4580, 38.6179,
79.8161


419.7004,
340.2632, 514.0033


 44.8488, 26.4626,
59.0418


 106.0362, 73.0542,
134.9162

 31.5391, 17.1700,
42.2265


 134.7359, 96.1041,
170.0791

 21.1636, 10.3558,
28.9518

 168.1965,
123.5542, 210.8752

 13.3568, 5.6355,
18.7991

206.7834,
155.7890, 257.7230

 7.7534, 2.6247,
11.3499

250.8618,
193.1930, 311.0413

 3.9880, 0.9391,
6.1855

300.7973,

 1.6954, 0.0000,

236.1504, 371.2483

2.8876

356.9550,
285.0457, 438.7628

■ 0.4534, 0.0000,
1.0375

■ 0.0000, 0.0000,
0.0000

■ 61.4580, 38.6179,
79.8161

■ 61.4580, 38.6179,
79.8161

■ 58.4350, 33.5275,
75.8628

■ 65.2939, 45.3103,
84.1143

■ 56.1531, 29.8959,
72.2284

■ 70.0014, 53.7221,
88.7759

■ 54.5321, 27.5625,
68.8862

■ 75.6366, 63.9655,
93.8208

■ 53.4711, 26.3262,
65.8021

■ 82.2503, 76.1416,
99.2663

■ 53.1491, 26.0237,
64.6427

■ 89.8893, 90.3441,
105.1284

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.



50.8404, 38.6179, 125.7076



61.4580, 38.6179, 79.8161



65.0214, 38.6179, 38.6075

Triad

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



61.4580, 38.6179, 79.8161



35.4832, 38.6179, 4.5082



20.5183, 38.6179, 89.5876

Complementary

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



61.4580, 38.6179, 79.8161



46.8874, 76.7430, 35.6367

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.



18.0988, 38.6179, 45.6877



61.4580, 38.6179, 79.8161



25.4677, 38.6179, 7.3614

Square

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



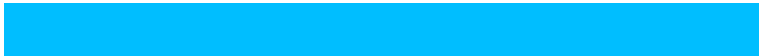
61.4580, 38.6179, 79.8161



48.2268, 38.6179, 6.3084



19.6911, 38.6179, 18.5918



27.1823, 38.6179, 133.1963

Rectangle

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



61.4580, 38.6179, 79.8161



62.3972, 38.6179, 21.0556



19.6911, 38.6179, 18.5918



19.2568, 38.6179, 73.7372

Sweetspot

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



61.4589, 38.6195, 79.8168



81.5966, 74.9324, 98.7456



33.9722, 24.0307, 97.4556



17.1674, 15.4888, 20.8961



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.



61.4589, 38.6195, 79.8168



58.1941, 33.1328, 75.5138



53.3514, 35.3765, 37.1236



18.6540, 18.2449, 22.0613



27.8199, 13.6173, 34.0319



2.7419, 1.3391, 3.4882

Inverse Universe

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



61.4589, 38.6195, 79.8168



58.1941, 33.1328, 75.5138



53.7466, 79.4867, 71.7566



18.6540, 18.2449, 22.0613



27.8199, 13.6173, 34.0319



2.7419, 1.3391, 3.4882

Previews

White Background



This preview shows how the XYZ color 61.4580, 38.6179, 79.8161 looks on a white background.

Color Contrast Check

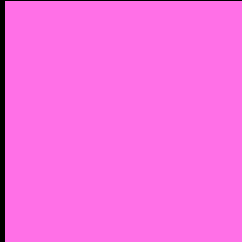
Large Text (above 18pt) WCAG AA × Fail

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 61.4580, 38.6179, 79.8161 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

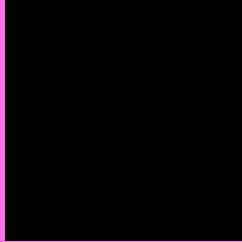
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 61.4580, 38.6179, 79.8161

Background



This preview shows how black text looks on a background with the XYZ color 61.4580, 38.6179, 79.8161.



This preview shows how white text looks on a background with the XYZ color 61.4580, 38.6179,

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

61.4580, 38.6179, 79.8161

Protanopia

41.3366, 39.1986, 99.9952

Deuteranopia

39.7768, 38.9565, 74.5301



Tritanopia

51.1392, 38.4458, 30.7121

Trichromacy



Original Color

61.4580, 38.6179, 79.8161



Protanomaly

45.2735, 36.6766, 91.8819



Deuteranomaly

45.1047, 36.9412, 75.9872



Tritanomaly

54.2656, 38.1566, 45.0623

Monochromacy



Original Color

61.4580, 38.6179, 79.8161



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

43.8133, 37.2208, 54.1653

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.4580, 38.6179, 79.8161 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, 112, 231)` looks like.

```
.text, #text, p{  
    color:rgb(255, 112, 231)  
}
```

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, 112, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 112, 231) }
```

Border

The CSS property to change the border of an element to XYZ 61.4580, 38.6179, 79.8161 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, 112, 231) }
```


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

```
.border{ border-color:rgb(255, 112, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 112, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 112, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 112, 231);  
box-shadow:4px 4px 4px 4px rgb(255, 112,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 61.4580, 38.6179, 79.8161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 112, 231) }
```

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

```
.background{ background-color: rgb(255,  
112, 231) }
```

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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