

Converting Colors

XYZ(61.8473, 38.3423, 83.1960)

Have a look what the booklet for
XYZ(61.8473, 38.3423, 83.1960)
contains.

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Color

**XYZ(61.9563, 38.4680,
83.5165)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6EEC
RGB	255, 110, 236
RGB Percent	100%, 43%, 93%
CMY	0.0000, 0.5686, 0.0745
CMYK	0.00, 0.57, 0.07, 0.00
HSL	308°, 100%, 72%
HSV	308°, 57%, 100%
XYZ	61.9563, 38.4680, 83.5165
YIQ	167.7190, 45.9740, 69.9260

Conversions

Conversions Part 2

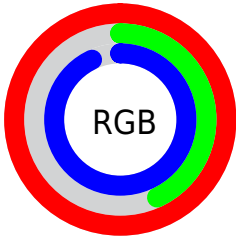
Format	Color
R _Y B	255, 110, 236
Decimal	16740076
CIE Lab	68.36, 69.89, -37.62
CIE LCh	68, 79.374, 331.707
Yxy	38.4680, 0.3368, 0.2091
Android (android.graphics.Color)	4294930156 (0xFFFF6EEC)
YUV	167.7190, 33.6625, 76.5454
Hunter-Lab	62.0226, 69.7697, -36.4211

Details

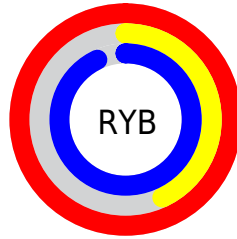
The XYZ color **61.9563, 38.4680, 83.5165** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **46.1541, 76.4206, 33.0892**, and the grayscale version is **36.9077, 38.8298, 42.2856**.

A 20% lighter version of the original color is **73.2926, 56.4853, 101.6475**, and **31.8422, 17.0940, 44.8012** is the 20% darker color. If you saturate the color by 10%, you get **59.1092, 33.5434, 80.1949**, and if you desaturate by 10%, it is **65.6055, 44.9820, 87.1512**.

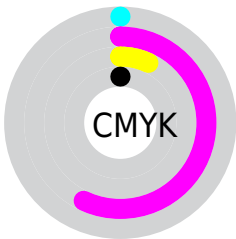
Distribution



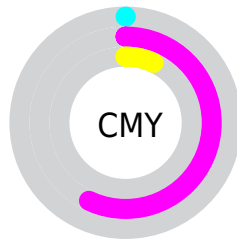
- Red (100%)
- Green (43%)
- Blue (93%)



- Red (100%)
- Yellow (43%)
- Blue (93%)



- Cyan (0%)
- Magenta (57%)
- Yellow (7%)
- Black (0%)



- Cyan (0%)
- Magenta (57%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 61.9563, 38.4680, 83.5165 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 61.9563, 38.4680, 83.5165 by changing the saturation by 10% instead.


 61.9563, 38.4680,
83.5165

 61.9563, 38.4680,
83.5165


421.4918,
339.6233, 526.7223


 45.2529, 26.3461,
62.0732

 106.7527, 72.8249,
140.1543

 31.8588, 17.0828,
44.6557


 135.5763, 95.8287,
176.1860

 21.4087, 10.2935,
30.8454


 169.1707,
123.2286, 217.9175

 13.5372, 5.5940,
20.2236


207.9012,
155.4090, 265.7675

 7.8790, 2.5998,
12.3720

252.1332,
192.7543, 320.1544

 4.0688, 0.9266,
6.8720

302.2321,

 1.7411, 0.0000,

235.6488, 381.4968

3.3049

358.5632,
284.4770, 450.2133

■ 0.4818, 0.0000,
1.2524

■ 0.0000, 0.0000,
0.0223

■ 61.9563, 38.4680,
83.5165

■ 61.9563, 38.4680,
83.5165

■ 59.1092, 33.5434,
80.1949

■ 65.6055, 44.9820,
87.1512

■ 56.9916, 30.0636,
77.1607

■ 70.1160, 53.2041,
91.1176

■ 55.5223, 27.8658,
74.3868

■ 75.5443, 63.2472,
95.4351

■ 54.5970, 26.7419,
71.8384

■ 81.9413, 75.2129,
100.1212

■ 54.3693, 26.5117,
71.0682

■ 89.3543, 89.1956,
105.1916

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.



50.6449, 38.4680, 131.4927



61.9563, 38.4680, 83.5165



66.0955, 38.4680, 39.8757

Triad

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



61.9563, 38.4680, 83.5165



35.8541, 38.4680, 3.9337



19.7421, 38.4680, 89.2472

Complementary

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



61.9563, 38.4680, 83.5165



46.1541, 76.4206, 33.0892

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.



17.4727, 38.4680, 43.9610



61.9563, 38.4680, 83.5165



25.3676, 38.4680, 6.4411

Square

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



61.9563, 38.4680, 83.5165



49.1255, 38.4680, 5.8724



19.2730, 38.4680, 17.0661



26.3480, 38.4680, 135.9205

Rectangle

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



61.9563, 38.4680, 83.5165



63.6233, 38.4680, 21.2984



19.2730, 38.4680, 17.0661



18.5244, 38.4680, 72.7089

Sweetspot

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



61.9571, 38.4695, 83.5172



81.8449, 75.0317, 100.0530



32.3676, 22.8795, 97.3180



17.2266, 15.5125, 21.2077



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.



61.9571, 38.4695, 83.5172



58.8323, 33.0765, 79.8350



53.6618, 35.1514, 39.8350



18.6842, 18.2570, 22.2201



28.4491, 13.8689, 37.3451



2.7973, 1.3613, 3.7798

Inverse Universe

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



61.9571, 38.4695, 83.5172



58.8323, 33.0765, 79.8350



52.5488, 78.9785, 66.7632



18.6842, 18.2570, 22.2201



28.4491, 13.8689, 37.3451



2.7973, 1.3613, 3.7798

Previews

White Background



This preview shows how the XYZ color 61.9563, 38.4680, 83.5165 looks on a white background.

Color Contrast Check

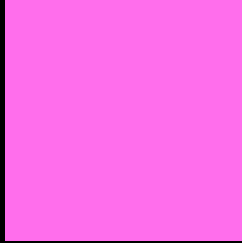
Large Text (above 18pt) WCAG AA × Fail

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 61.9563, 38.4680, 83.5165 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

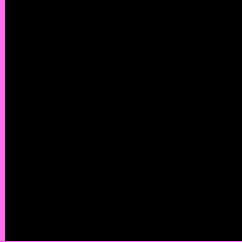
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 61.9563, 38.4680, 83.5165

Background



This preview shows how black text looks on a background with the XYZ color 61.9563, 38.4680, 83.5165.



This preview shows how white text looks on a background with the XYZ color 61.9563, 38.4680,

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

61.9563, 38.4680, 83.5165

Protanopia

41.1570, 38.8393, 99.9353

Deuteranopia

39.7147, 38.8459, 78.0779



Tritanopia

51.1392, 38.4458, 30.7121

Trichromacy



Original Color

61.9563, 38.4680, 83.5165



Protanomaly

45.2766, 36.1888, 93.4057



Deuteranomaly

45.1474, 36.6553, 79.5586



Tritanomaly

54.3363, 37.9813, 46.0623

Monochromacy



Original Color

61.9563, 38.4680, 83.5165



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

43.8788, 36.9971, 55.2806

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.9563, 38.4680, 83.5165 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, 110, 236)` looks like.

```
.text, #text, p{  
    color:rgb(255, 110, 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(255, 110, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 110, 236) }
```

Border

The CSS property to change the border of an element to XYZ 61.9563, 38.4680, 83.5165 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, 110, 236) }
```


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

```
.border{ border-color:rgb(255, 110, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 110, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 110, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 110, 236);  
box-shadow:4px 4px 4px 4px rgb(255, 110,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 61.9563, 38.4680, 83.5165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 110, 236) }
```

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

```
.background{ background-color: rgb(255,  
110, 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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