

Converting Colors

XYZ(56.8831, 38.1568, 51.5052)

Have a look what the booklet for
XYZ(56.8831, 38.1568, 51.5052)
contains.

XYZ(56.8065, 38.0415, 51.3624)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(56.8065, 38.0415,
51.3624)**

Conversions

Conversions Part 1

Format	Color
Hex	FF77BB
RGB	255, 119, 187
RGB Percent	100%, 47%, 73%
CMY	0.0000, 0.5333, 0.2667
CMYK	0.00, 0.53, 0.27, 0.00
HSL	330°, 100%, 73%
HSV	330°, 53%, 100%
XYZ	56.8065, 38.0415, 51.3624
YIQ	167.4160, 59.2280, 49.9800

Conversions

Conversions Part 2

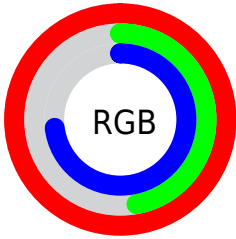
Format	Color
R_{YB}	255, 119, 187
Decimal	16742331
CIE _{Lab}	68.05, 58.88, -10.77
CIE _{LCh}	68, 59.857, 349.631
Yxy	38.0415, 0.3885, 0.2602
Android (android.graphics.Color)	4294932411 (0xFFFF77BB)
YUV	167.4160, 9.6549, 76.8112
Hunter-Lab	61.6778, 56.4660, -6.1995

Details

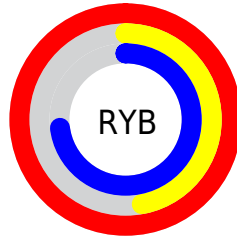
The XYZ color **56.8065, 38.0415, 51.3624** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **52.3391, 79.0306, 59.5134**, and the grayscale version is **36.8688, 38.7888, 42.2410**.

A 20% lighter version of the original color is **72.7476, 58.3910, 92.2304**, and **28.5863, 16.8783, 24.3054** is the 20% darker color. If you saturate the color by 10%, you get **52.8634, 32.2438, 43.6098**, and if you desaturate by 10%, it is **61.6866, 45.5191, 60.0261**.

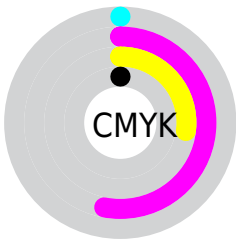
Distribution



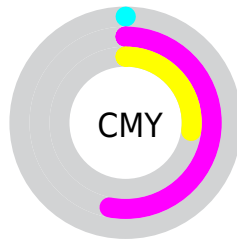
- Red (100%)
- Green (47%)
- Blue (73%)



- Red (100%)
- Yellow (47%)
- Blue (73%)



- Cyan (0%)
- Magenta (53%)
- Yellow (27%)
- Black (0%)





- Cyan (0%)
- Magenta (53%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.8065, 38.0415, 51.3624 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 56.8065, 38.0415, 51.3624 by changing the saturation by 10% instead.


 56.8065, 38.0415,
51.3624


 56.8065, 38.0415,
51.3624


402.7498,
337.7980, 408.8568

 41.0894, 26.0149,
36.1184


 99.3158, 72.1717,
93.6072

 28.5770, 16.8348,
24.2352


 126.8387, 95.0442,
121.4451

 18.9037, 10.1168,
15.2944


 159.0276,
122.3007, 154.3180

 11.7043, 5.4764,
8.8773

196.2479,
154.3256, 192.6445

 6.6134, 2.5294,
4.5655

238.8649,
191.5034, 236.8430

 3.2657, 0.8913,
1.9404

287.2440,

 1.2958, 0.0000,

234.2185, 287.3323

0.5183

341.7505,
282.8552, 344.5307

■ 0.1801, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.8065, 38.0415,
51.3624

■ 56.8065, 38.0415,
51.3624

■ 52.8634, 32.2438,
43.6098

■ 61.6866, 45.5191,
60.0261

■ 49.7847, 27.9860,
36.7275

■ 67.5632, 54.7911,
69.6345

■ 47.4909, 25.1141,
30.6733

■ 74.4941, 65.9680,
80.2217

■ 45.8844, 23.4387,
25.3977

■ 82.5315, 79.1500,
91.8188

■ 45.1031, 22.8052,
22.2727

■ 91.7241, 94.4301,
104.4557

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.



51.6025, 38.0415, 84.3520



56.8065, 38.0415, 51.3624



55.8002, 38.0415, 26.4592

Triad

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



56.8065, 38.0415, 51.3624



30.4643, 38.0415, 9.4462



25.7473, 38.0415, 94.1227

Complementary

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



56.8065, 38.0415, 51.3624



52.3391, 79.0306, 59.5134

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.



21.7679, 38.0415, 61.1680



56.8065, 38.0415, 51.3624



24.1497, 38.0415, 16.2773

Square

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



56.8065, 38.0415, 51.3624



39.4798, 38.0415, 8.6679



21.2382, 38.0415, 32.8526



33.0267, 38.0415, 115.2002

Rectangle

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



56.8065, 38.0415, 51.3624



51.7907, 38.0415, 16.5504



21.2382, 38.0415, 32.8526



24.0365, 38.0415, 83.5413

Sweetspot

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



56.8074, 38.0433, 51.3631



80.2747, 75.4294, 88.6223



45.1421, 30.9807, 98.2084



16.8215, 15.5525, 18.4520



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.



56.8074, 38.0433, 51.3631



52.6311, 31.9122, 43.1223



51.1679, 35.7875, 21.6659



18.3882, 18.1386, 20.6612



23.6427, 11.9464, 12.0348



2.3571, 1.1852, 1.4620

Inverse Universe

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



56.8074, 38.0433, 51.3631



52.6311, 31.9122, 43.1223



61.4188, 82.6625, 107.3261



18.3882, 18.1386, 20.6612



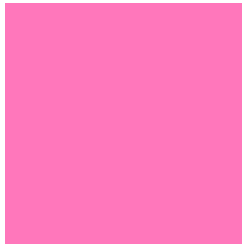
23.6427, 11.9464, 12.0348



2.3571, 1.1852, 1.4620

Previews

White Background



This preview shows how the XYZ color 56.8065, 38.0415, 51.3624 looks on a white background.

Color Contrast Check

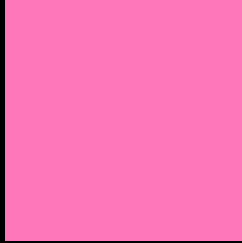
Large Text (above 18pt) WCAG AA × Fail

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 56.8065, 38.0415, 51.3624 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

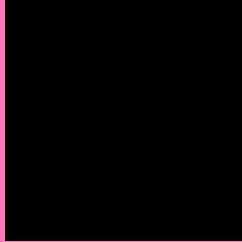
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.8065, 38.0415, 51.3624

Background



This preview shows how black text looks on a background with the XYZ color 56.8065, 38.0415, 51.3624.



This preview shows how white text looks on a background with the XYZ color 56.8065, 38.0415,

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

56.8065, 38.0415, 51.3624

Protanopia

38.8792, 38.2883, 71.6709

Deuteranopia

39.0630, 38.3661, 48.5266



Tritanopia

52.2214, 38.0447, 28.6358

Trichromacy



Original Color

56.8065, 38.0415, 51.3624



Protanomaly

42.8387, 36.5036, 63.8195



Deuteranomaly

44.0030, 36.9558, 49.6137



Tritanomaly

53.4792, 37.7630, 35.9228

Monochromacy



Original Color

56.8065, 38.0415, 51.3624



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

42.0995, 37.0108, 44.9693

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.8065, 38.0415, 51.3624 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, 119, 187)` looks like.

```
.text, #text, p{  
    color:rgb(255, 119, 187)  
}
```

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, 119, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 119, 187) }
```

Border

The CSS property to change the border of an element to XYZ 56.8065, 38.0415, 51.3624 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, 119, 187) }
```


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

```
.border{ border-color:rgb(255, 119, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 119, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 119, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 119, 187);  
box-shadow:4px 4px 4px 4px rgb(255, 119,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 56.8065, 38.0415, 51.3624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 119, 187) }
```

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

```
.background{ background-color: rgb(255,  
119, 187) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor