

Converting Colors

XYZ(56.4356, 37.5057, 50.6039)

Have a look what the booklet for
XYZ(56.4356, 37.5057, 50.6039)
contains.

XYZ(56.4642, 37.5278, 50.7220)	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(56.4642, 37.5278,
50.7220)**

Conversions

Conversions Part 1

Format	Color
Hex	FF75BA
RGB	255, 117, 186
RGB Percent	100%, 46%, 73%
CMY	0.0000, 0.5411, 0.2706
CMYK	0.00, 0.54, 0.27, 0.00
HSL	330°, 100%, 73%
HSV	330°, 54%, 100%
XYZ	56.4642, 37.5278, 50.7220
YIQ	166.1280, 60.0990, 50.7150

Conversions

Conversions Part 2

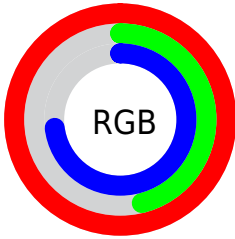
Format	Color
R _Y B	255, 117, 186
Decimal	16741818
CIE Lab	67.67, 59.67, -10.78
CIE LCh	68, 60.636, 349.760
Yxy	37.5278, 0.3902, 0.2593
Android (android.graphics.Color)	4294931898 (0xFFFF75BA)
YUV	166.1280, 9.7969, 77.9407
Hunter-Lab	61.2599, 57.3212, -6.2090

Details

The XYZ color **56.4642, 37.5278, 50.7220** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **51.9609, 78.8479, 58.9390**, and the grayscale version is **36.2425, 38.1300, 41.5235**.

A 20% lighter version of the original color is **72.2106, 57.5579, 91.3083**, and **28.3552, 16.5273, 23.8859** is the 20% darker color. If you saturate the color by 10%, you get **52.5917, 31.8561, 43.0392**, and if you desaturate by 10%, it is **61.2687, 44.8695, 59.3131**.

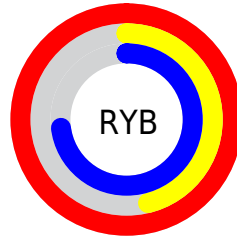
Distribution



Red (100%)

Green (46%)

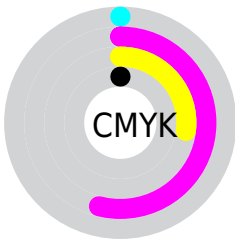
Blue (73%)



Red (100%)

Yellow (46%)

Blue (73%)

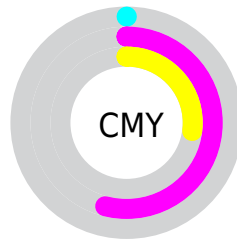


Cyan (0%)

Magenta (54%)

Yellow (27%)

Black (0%)



Cyan (0%)


Magenta (54%)


Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.4642, 37.5278, 50.7220 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 56.4642, 37.5278, 50.7220 by changing the saturation by 10% instead.


 56.4642, 37.5278,
50.7220


 56.4642, 37.5278,
50.7220

401.4853,
335.5900, 406.2984


 40.8137, 25.6164,
35.6122


 98.8188, 71.3838,
92.6510

 28.3606, 16.5369,
23.8475


 126.2537, 94.0972,
120.3073

 18.7395, 9.9049,
15.0094


 158.3473,
121.1801, 152.9829

 11.5851, 5.3359,
8.6793

195.4651,
153.0168, 191.0962

 6.5320, 2.4457,
4.4386

237.9725,
189.9917, 235.0659

 3.2149, 0.8492,
1.8689

286.2347,

 1.2684, 0.0000,

232.4893, 285.3105

0.4729

340.6172,
280.8939, 342.2485

■ 0.1594, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.4642, 37.5278,
50.7220

■ 56.4642, 37.5278,
50.7220

■ 52.5917, 31.8561,
43.0392

■ 61.2687, 44.8695,
59.3131

■ 49.5776, 27.7130,
36.2234

■ 67.0650, 53.9966,
68.8461

■ 47.3415, 24.9422,
30.2321

■ 73.9113, 65.0205,
79.3554

■ 45.7840, 23.3511,
25.0152

■ 81.8601, 78.0418,
90.8723

■ 45.1031, 22.8052,
22.2726

■ 90.9605, 93.1542,
103.4266

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.



51.2404, 37.5278, 84.0008



56.4642, 37.5278, 50.7220



55.4209, 37.5278, 25.7997

Triad

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



56.4642, 37.5278, 50.7220



29.9257, 37.5278, 9.0230



25.2637, 37.5278, 94.1621

Complementary

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



56.4642, 37.5278, 50.7220



51.9609, 78.8479, 58.9390

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.



21.2753, 37.5278, 60.8741



56.4642, 37.5278, 50.7220



23.6228, 37.5278, 15.7966

Square

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



56.4642, 37.5278, 50.7220



38.9637, 37.5278, 8.2383



20.7323, 37.5278, 32.3695



32.5655, 37.5278, 115.4296

Rectangle

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



56.4642, 37.5278, 50.7220



51.3636, 37.5278, 15.9724



20.7323, 37.5278, 32.3695



23.5494, 37.5278, 83.4684

Sweetspot

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



56.4652, 37.5296, 50.7227



80.2747, 75.4294, 88.6223



44.6629, 30.3840, 98.1185



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.



56.4652, 37.5296, 50.7227



52.2913, 31.4297, 42.4012



50.8136, 35.2690, 20.9615



18.3882, 18.1386, 20.6612



23.6427, 11.9464, 12.0347



2.3571, 1.1852, 1.4620

Inverse Universe

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



56.4652, 37.5296, 50.7227



52.2913, 31.4297, 42.4012



61.1472, 82.5225, 107.3134



18.3882, 18.1386, 20.6612



23.6427, 11.9464, 12.0347



2.3571, 1.1852, 1.4620

Previews

White Background



This preview shows how the XYZ color 56.4642, 37.5278, 50.7220 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 56.4642, 37.5278, 50.7220 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 56.4642, 37.5278, 50.7220

Background



This preview shows how black text looks on a background with the XYZ color 56.4642, 37.5278, 50.7220.



This preview shows how white text looks on a background with the XYZ color 56.4642, 37.5278,

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

56.4642, 37.5278, 50.7220

Protanopia

38.3841, 37.7834, 70.9155

Deuteranopia

38.5607, 37.8584, 47.9229



Tritanopia

51.8170, 37.4655, 27.7931

Trichromacy



Original Color

56.4642, 37.5278, 50.7220



Protanomaly

42.4057, 35.8328, 63.0739



Deuteranomaly

43.4707, 36.4656, 49.0034



Tritanomaly

53.0606, 37.1945, 34.9545

Monochromacy



Original Color

56.4642, 37.5278, 50.7220



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

41.4214, 36.2027, 44.3398

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.4642, 37.5278, 50.7220 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, 117, 186)` looks like.

```
.text, #text, p{  
    color:rgb(255, 117, 186)  
}
```

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, 117, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 117, 186) }
```

Border

The CSS property to change the border of an element to XYZ 56.4642, 37.5278, 50.7220 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, 117, 186) }
```


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

```
.border{ border-color:rgb(255, 117, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 117, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 117, 186); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 117, 186); box-shadow:4px 4px 4px 4px rgb(255, 117, 186) }
```

Background

The CSS property to change the background color of an element to XYZ 56.4642, 37.5278, 50.7220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 117, 186) }
```

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

```
.background{ background-color: rgb(255,  
117, 186) }
```

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