

Converting Colors

XYZ(75.4809, 47.6740, 45.6877)

Have a look what the booklet for
XYZ(75.4809, 47.6740, 45.6877)
contains.

XYZ(55.4563, 37.3120, 44.8365)	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(55.4563, 37.3120,
44.8365)**

Conversions

Conversions Part 1

Format	Color
Hex	FF76AF
RGB	255, 118, 175
RGB Percent	100%, 46%, 69%
CMY	0.0000, 0.5372, 0.3137
CMYK	0.00, 0.54, 0.31, 0.00
HSL	335°, 100%, 73%
HSV	335°, 54%, 100%
XYZ	55.4563, 37.3120, 44.8365
YIQ	165.4610, 63.3550, 46.7710

Conversions

Conversions Part 2

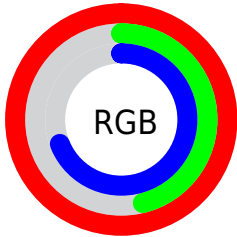
Format	Color
R _Y B	255, 118, 175
Decimal	16742063
CIE Lab	67.51, 57.85, -4.81
CIE LCh	68, 58.046, 355.246
Yxy	37.3120, 0.4030, 0.2712
Android (android.graphics.Color)	4294932143 (0xFFFF76AF)
YUV	165.4610, 4.7027, 78.5257
Hunter-Lab	61.0835, 55.1597, -0.7615

Details

The XYZ color **55.4563, 37.3120, 44.8365** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **53.4261, 79.4496, 65.9497**, and the grayscale version is **35.9436, 37.8155, 41.1810**.

A 20% lighter version of the original color is **70.6590, 57.2453, 82.1882**, and **27.8035, 16.4774, 20.4539** is the 20% darker color. If you saturate the color by 10%, you get **51.4660, 31.5445, 36.6841**, and if you desaturate by 10%, it is **60.4213, 44.7707, 54.1104**.

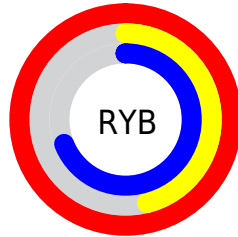
Distribution



Red (100%)

Green (46%)

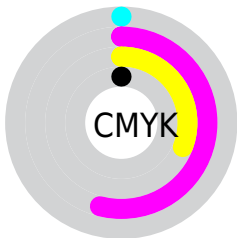
Blue (69%)



Red (100%)

Yellow (46%)

Blue (69%)

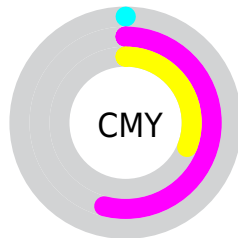


Cyan (0%)

Magenta (54%)

Yellow (31%)

Black (0%)



Cyan (0%)


Magenta (54%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.4563, 37.3120, 44.8365 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 55.4563, 37.3120, 44.8365 by changing the saturation by 10% instead.


 55.4563, 37.3120,
44.8365

 55.4563, 37.3120,
44.8365


397.7476,
334.6593, 382.2518


 40.0025, 25.4492,
30.9867


 97.3536, 71.0524,
83.7909

 27.7247, 16.4120,
20.3303


 124.5278, 93.6987,
109.7324

 18.2576, 9.8162,
12.4489


 156.3395,
120.7083, 140.5417

 11.2359, 5.2772,
6.9239

193.1540,
152.4656, 176.6371

 6.2942, 2.4108,
3.3369

235.3367,
189.3549, 218.4373

 3.0671, 0.8315,
1.2691

283.2530,

 1.1894, 0.0000,

231.7607, 266.3608

0.0363

337.2682,
280.0674, 320.8261

■ 0.0979, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.4563, 37.3120,
44.8365

■ 55.4563, 37.3120,
44.8365

■ 51.4660, 31.5445,
36.6841

■ 60.4213, 44.7707,
54.1104

■ 48.3753, 27.3263,
29.6013

■ 66.4227, 54.0361,
64.5496

■ 46.1019, 24.5017,
23.5339

■ 73.5201, 65.2200,
76.1980

■ 44.5451, 22.8787,
18.4197

■ 81.7679, 78.4235,
89.0962

■ 43.8461, 22.3024,
15.6535

■ 91.2165, 93.7405,
103.2826

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.



51.5099, 37.3120, 75.5666



55.4563, 37.3120, 44.8365



53.3553, 37.3120, 23.0670

Triad

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



55.4563, 37.3120, 44.8365



28.6384, 37.3120, 10.4200



26.5552, 37.3120, 95.8439

Complementary

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



55.4563, 37.3120, 44.8365



53.4261, 79.4496, 65.9497

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.



22.0994, 37.3120, 65.3924



55.4563, 37.3120, 44.8365



23.1531, 37.3120, 18.5605

Square

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



55.4563, 37.3120, 44.8365



36.9050, 37.3120, 8.6984



20.9668, 37.3120, 36.6885



34.0609, 37.3120, 111.8996

Rectangle

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



55.4563, 37.3120, 44.8365



48.9667, 37.3120, 14.7700



20.9668, 37.3120, 36.6885



24.7041, 37.3120, 86.4614

Sweetspot

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



55.4573, 37.3139, 44.8372



79.7856, 75.2338, 86.0467



47.7969, 32.1736, 98.2987



16.7053, 15.5060, 17.8398



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.



55.4573, 37.3139, 44.8372



51.3685, 31.4071, 36.4733



52.4167, 38.3806, 21.7875



18.3228, 18.1124, 20.3169



22.9808, 11.6816, 8.5492



2.2905, 1.1586, 1.1111

Inverse Universe

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



55.4573, 37.3139, 44.8372



51.3685, 31.4071, 36.4733



57.7479, 75.5234, 106.1416



18.3228, 18.1124, 20.3169



22.9808, 11.6816, 8.5492



2.2905, 1.1586, 1.1111

Previews

White Background



This preview shows how the XYZ color 55.4563, 37.3120, 44.8365 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 55.4563, 37.3120, 44.8365 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

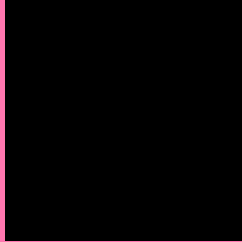
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.4563, 37.3120, 44.8365

Background



This preview shows how black text looks on a background with the XYZ color 55.4563, 37.3120, 44.8365.



This preview shows how white text looks on a background with the XYZ color 55.4563, 37.3120,

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

55.4563, 37.3120, 44.8365

Protanopia

37.5138, 37.5226, 62.3921

Deuteranopia

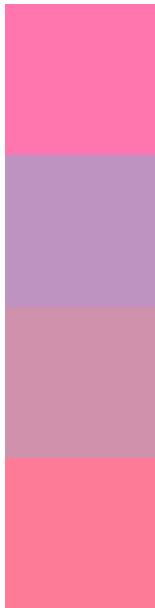
38.2291, 37.5525, 42.2792



Tritanopia

51.9789, 37.3664, 27.3945

Trichromacy



Original Color

55.4563, 37.3120, 44.8365

Protanomaly

41.5452, 35.7941, 55.1713

Deuteranomaly

43.2082, 36.4565, 43.2876

Tritanomaly

53.0960, 37.2506, 33.2458

Monochromacy



Original Color

55.4563, 37.3120, 44.8365

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

41.0400, 36.0501, 42.3314

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.4563, 37.3120, 44.8365 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, 118, 175)` looks like.

```
.text, #text, p{  
    color:rgb(255, 118, 175)  
}
```

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, 118, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 118, 175) }
```

Border

The CSS property to change the border of an element to XYZ 55.4563, 37.3120, 44.8365 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, 118, 175) }
```


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

```
.border{ border-color:rgb(255, 118, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 118, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 118, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 118, 175);  
box-shadow:4px 4px 4px 4px rgb(255, 118,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 55.4563, 37.3120, 44.8365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 118, 175) }
```

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

```
.background{ background-color: rgb(255,  
118, 175) }
```

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