

Converting Colors

XYZ(56.1122, 37.4429, 48.6953)

Have a look what the booklet for
XYZ(56.1122, 37.4429, 48.6953)
contains.

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Color

**XYZ(56.0448, 37.3600,
48.5133)**

Conversions

Conversions Part 1

Format	Color
Hex	FF75B6
RGB	255, 117, 182
RGB Percent	100%, 46%, 71%
CMY	0.0000, 0.5411, 0.2863
CMYK	0.00, 0.54, 0.29, 0.00
HSL	332°, 100%, 73%
HSV	332°, 54%, 100%
XYZ	56.0448, 37.3600, 48.5133
YIQ	165.6720, 61.3830, 49.4710

Conversions

Conversions Part 2

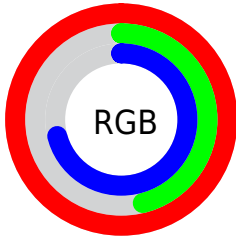
Format	Color
R_{YB}	255, 117, 182
Decimal	16741814
CIE _{Lab}	67.55, 59.17, -8.71
CIE _{LCh}	68, 59.803, 351.625
Yxy	37.3600, 0.3949, 0.2633
Android (android.graphics.Color)	4294931894 (0xFFFF75B6)
YUV	165.6720, 8.0497, 78.3407
Hunter-Lab	61.1228, 56.7054, -4.2726

Details

The XYZ color **56.0448, 37.3600, 48.5133** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **52.3922, 79.0205, 61.2104**, and the grayscale version is **36.0302, 37.9066, 41.2803**.

A 20% lighter version of the original color is **71.6162, 57.3202, 88.1782**, and **28.0840, 16.4188, 22.4578** is the 20% darker color. If you saturate the color by 10%, you get **52.1402, 31.6755, 40.6618**, and if you desaturate by 10%, it is **60.8946, 44.7198, 57.3433**.

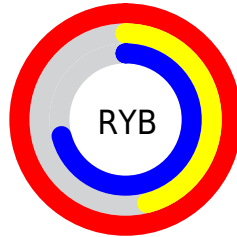
Distribution



Red (100%)

Green (46%)

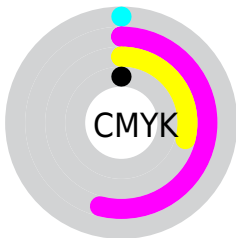
Blue (71%)



Red (100%)

Yellow (46%)

Blue (71%)

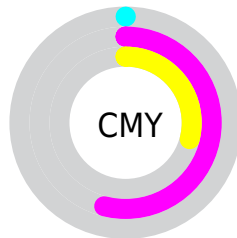


Cyan (0%)

Magenta (54%)

Yellow (29%)

Black (0%)



Cyan (0%)


Magenta (54%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.0448, 37.3600, 48.5133 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 56.0448, 37.3600, 48.5133 by changing the saturation by 10% instead.


 56.0448, 37.3600,
48.5133


 56.0448, 37.3600,
48.5133


399.9326,
334.8665, 397.3904


 40.4760, 25.4863,
33.8707


 98.2095, 71.1261,
89.3417

 28.0957, 16.4398,
22.5177

 125.5361, 93.7874,
116.3645

 18.5386, 9.8359,
14.0359


 157.5127,
120.8133, 148.3511

 11.4394, 5.2903,
8.0066

194.5046,
152.5883, 185.7201

 6.4327, 2.4186,
4.0113

236.8772,
189.4967, 228.8900

 3.1531, 0.8354,
1.6316

284.9958,

 1.2352, 0.0000,

231.9229, 278.2793

0.3132

339.2258,
280.2514, 334.3066

■ 0.1339, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.0448, 37.3600,
48.5133

■ 56.0448, 37.3600,
48.5133

■ 52.1402, 31.6755,
40.6618

■ 60.8946, 44.7198,
57.3433

■ 49.1069, 27.5246,
33.7443

■ 66.7503, 53.8706,
67.1887

■ 46.8634, 24.7510,
27.7146

■ 73.6703, 64.9240,
78.0867

■ 45.3100, 23.1615,
22.5190

■ 81.7080, 77.9809,
90.0716

■ 44.6364, 22.6186,
19.8151

■ 90.9128, 93.1350,
103.1758

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.



51.2626, 37.3600, 80.9351



56.0448, 37.3600, 48.5133



54.6248, 37.3600, 24.7180

Triad

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



56.0448, 37.3600, 48.5133



29.3808, 37.3600, 9.4186



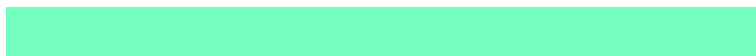
25.6203, 37.3600, 94.7290

Complementary

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



56.0448, 37.3600, 48.5133



52.3922, 79.0205, 61.2104

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.



21.4721, 37.3600, 62.3530



56.0448, 37.3600, 48.5133



23.3678, 37.3600, 16.6356

Square

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



56.0448, 37.3600, 48.5133



38.1491, 37.3600, 8.3232



20.7254, 37.3600, 33.7365



32.9947, 37.3600, 114.2109

Rectangle

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



56.0448, 37.3600, 48.5133



50.4431, 37.3600, 15.4520



20.7254, 37.3600, 33.7365



23.8592, 37.3600, 84.4676

Sweetspot

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



56.0458, 37.3618, 48.5140



80.1048, 75.3615, 87.7273



45.2262, 30.6744, 98.1448



16.7811, 15.5364, 18.2391



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.



56.0458, 37.3618, 48.5140



51.8376, 31.2482, 40.0122



51.0848, 35.8115, 21.0519



18.3655, 18.1295, 20.5419



23.3975, 11.8483, 10.7438



2.3328, 1.1755, 1.3340

Inverse Universe

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



56.0458, 37.3618, 48.5140



51.8376, 31.2482, 40.0122



60.4179, 81.0638, 107.0703



18.3655, 18.1295, 20.5419



23.3975, 11.8483, 10.7438



2.3328, 1.1755, 1.3340

Previews

White Background



This preview shows how the XYZ color 56.0448, 37.3600, 48.5133 looks on a white background.

Color Contrast Check

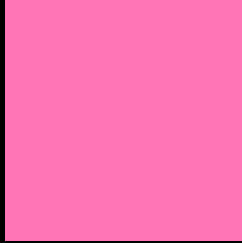
Large Text (above 18pt) WCAG AA × Fail

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 56.0448, 37.3600, 48.5133 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

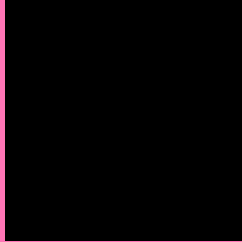
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.0448, 37.3600, 48.5133

Background



This preview shows how black text looks on a background with the XYZ color 56.0448, 37.3600, 48.5133.



This preview shows how white text looks on a background with the XYZ color 56.0448, 37.3600,

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

56.0448, 37.3600, 48.5133

Protanopia

38.0563, 37.6739, 68.2168

Deuteranopia

38.2132, 37.4669, 45.7752



Tritanopia

51.8170, 37.4655, 27.7931

Trichromacy



Original Color

56.0448, 37.3600, 48.5133



Protanomaly

41.9258, 35.6409, 60.5468



Deuteranomaly

43.1860, 36.1400, 46.8190



Tritanomaly

52.9776, 37.1613, 34.5176

Monochromacy



Original Color

56.0448, 37.3600, 48.5133



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

41.3250, 36.1641, 43.8320

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.0448, 37.3600, 48.5133 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, 182)` looks like.

```
.text, #text, p{  
    color:rgb(255, 117, 182)  
}
```

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, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 117, 182) }
```

Border

The CSS property to change the border of an element to XYZ 56.0448, 37.3600, 48.5133 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, 182) }
```


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

```
.border{ border-color:rgb(255, 117, 182) }
```

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, 182) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 117, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 117, 182);  
box-shadow:4px 4px 4px 4px rgb(255, 117,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 56.0448, 37.3600, 48.5133 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, 182) }
```

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

```
.background{ background-color: rgb(255,  
117, 182) }
```

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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