

# Converting Colors

XYZ(56.3485, 35.7324, 55.5048)

Have a look what the booklet for  
XYZ(56.3485, 35.7324, 55.5048)  
contains.

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# Color

**XYZ(56.3480, 35.7155,  
55.5537)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF6BC3
RGB	255, 107, 195
RGB Percent	100%, 42%, 76%
CMY	0.0000, 0.5804, 0.2353
CMYK	0.00, 0.58, 0.24, 0.00
HSL	324°, 100%, 71%
HSV	324°, 58%, 100%
XYZ	56.3480, 35.7155, 55.5537
YIQ	161.2840, 59.9600, 58.7440

# Conversions

## Conversions Part 2

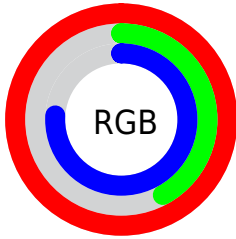
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 107, 195
Decimal	16739267
CIE Lab	66.30, 65.28, -17.91
CIE LCh	66, 67.696, 344.656
Yxy	35.7155, 0.3817, 0.2419
Android (android.graphics.Color)	4294929347 (0xFFFF6BC3)
YUV	161.2840, 16.6220, 82.1889
Hunter-Lab	59.7624, 63.7174, -13.2808

# Details

The XYZ color **56.3480, 35.7155, 55.5537** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **48.8001, 77.4366, 48.9374**, and the grayscale version is **33.9152, 35.6814, 38.8571**.

A 20% lighter version of the original color is **72.0861, 54.8392, 98.8811**, and **28.2904, 15.4792, 26.6960** is the 20% darker color. If you saturate the color by 10%, you get **52.9417, 30.7092, 48.8494**, and if you desaturate by 10%, it is **60.6207, 42.3248, 62.9468**.

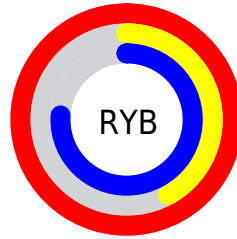
# Distribution



Red (100%)

Green (42%)

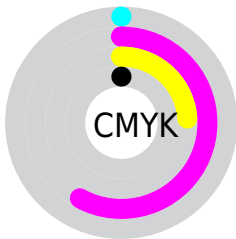
Blue (76%)



Red (100%)

Yellow (42%)

Blue (76%)

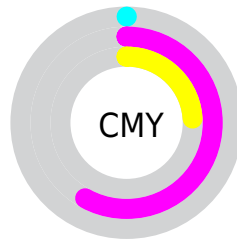


Cyan (0%)

Magenta (58%)

Yellow (24%)

Black (0%)



Cyan (0%)

Magenta (58%)


Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.3480, 35.7155, 55.5537 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 56.3480, 35.7155, 55.5537 by changing the saturation by 10% instead.





 56.3480, 35.7155,  
55.5537

 56.3480, 35.7155,  
55.5537

401.0554,  
327.7153, 425.3484


 40.7201, 24.2146,  
39.4436

 98.6501, 68.5927,  
99.8310


 28.2871, 15.4929,  
26.7945


 126.0549, 90.7378,  
128.8353

 18.6838, 9.1660,  
17.1879


 158.1162,  
117.1997, 162.9748

 11.5447, 4.8496,  
10.2052

 195.1992,  
148.3628, 202.6679

 6.5044, 2.1593,  
5.4278

237.6692,  
184.6115, 248.3333

 3.1977, 0.6977,  
2.4373

285.8917,

 1.2592, 0.0000,

226.3302, 300.3895

0.8067

340.2320,  
273.9034, 359.2550

■ 0.1523, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 56.3480, 35.7155,  
55.5537

■ 56.3480, 35.7155,  
55.5537

■ 52.9417, 30.7092,  
48.8494

■ 60.6207, 42.3248,  
62.9468

■ 50.3262, 27.1578,  
42.7998

■ 65.8212, 50.6576,  
71.0559

■ 48.4168, 24.8943,  
37.3685

■ 72.0080, 60.8287,  
79.9085

■ 47.0978, 23.6901,  
32.5085

■ 79.2342, 72.9415,  
89.5297

■ 46.8762, 23.5145,  
31.6098

■ 87.5486, 87.0917,  
99.9428

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.



49.5193, 35.7155, 93.4352



56.3480, 35.7155, 55.5537



56.4328, 35.7155, 26.4377

# Triad

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



56.3480, 35.7155, 55.5537



29.2632, 35.7155, 6.0709



21.9140, 35.7155, 92.5889

# Complementary

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



56.3480, 35.7155, 55.5537



48.8001, 77.4366, 48.9374

# 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.



18.4025, 35.7155, 54.7379



56.3480, 35.7155, 55.5537



22.0376, 35.7155, 11.2126

# Square

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



56.3480, 35.7155, 55.5537



39.3532, 35.7155, 6.1213



18.4427, 35.7155, 25.9411



29.0592, 35.7155, 121.0410



# Rectangle

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



56.3480, 35.7155, 55.5537



52.5732, 35.7155, 15.0486



18.4427, 35.7155, 25.9411



20.3386, 35.7155, 79.8993

# Sweetspot

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



56.3489, 35.7172, 55.5544



80.0443, 74.3115, 90.5714



39.0774, 25.8662, 97.5408



16.7988, 15.3414, 18.9553



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.



56.3489, 35.7172, 55.5544



52.3680, 29.9016, 47.6107



49.9994, 33.1774, 22.1184



18.4627, 18.1684, 21.0538



24.5697, 12.3172, 16.9165



2.4464, 1.2209, 1.9324



# Inverse Universe

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



56.3489, 35.7172, 55.5544



52.3680, 29.9016, 47.6107



57.5824, 80.9495, 95.1845



18.4627, 18.1684, 21.0538



24.5697, 12.3172, 16.9165



2.4464, 1.2209, 1.9324



# Previews

## White Background



This preview shows how the XYZ color 56.3480, 35.7155, 55.5537 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 56.3480, 35.7155, 55.5537 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

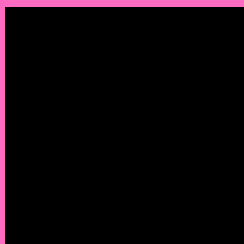
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 56.3480, 35.7155, 55.5537**

## **Background**



This preview shows how black text looks on a background with the XYZ color 56.3480, 35.7155, 55.5537.



This preview shows how white text looks on a background with the XYZ color 56.3480, 35.7155,



# 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

56.3480, 35.7155, 55.5537

### Protanopia

37.5874, 36.0827, 82.0744

### Deuteranopia

36.7136, 36.0409, 52.0353



## Tritanopia

50.0557, 35.6705, 25.3660

# Trichromacy



## Original Color

56.3480, 35.7155, 55.5537



## Protanomaly

41.2203, 33.6944, 71.3490



## Deuteranomaly

41.8156, 34.1887, 53.1104



## Tritanomaly

51.9777, 35.5649, 34.6970

# Monochromacy



## Original Color

56.3480, 35.7155, 55.5537



## Achromatopsia

33.8758, 35.6400, 38.8120



## Achromatomaly

39.5734, 33.6690, 43.9482

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.3480, 35.7155, 55.5537 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, 107, 195)` looks like.

```
.text, #text, p{  
    color:rgb(255, 107, 195)  
}
```

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, 107, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 107, 195) }
```

## Border

The CSS property to change the border of an element to XYZ 56.3480, 35.7155, 55.5537 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, 107, 195) }
```



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

```
.border{ border-color:rgb(255, 107, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 107, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 107, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 107, 195);  
box-shadow:4px 4px 4px 4px rgb(255, 107,  
195) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.3480, 35.7155, 55.5537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 107, 195) }
```

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

```
.background{ background-color: rgb(255,  
107, 195) }
```

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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