

# Converting Colors

XYZ(55.7948, 34.6841, 55.1379)

Have a look what the booklet for  
XYZ(55.7948, 34.6841, 55.1379)  
contains.

<b>XYZ(55.8417, 34.7029, 55.3849)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(55.8417, 34.7029,  
55.3849)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF66C3
RGB	255, 102, 195
RGB Percent	100%, 40%, 76%
CMY	0.0000, 0.6000, 0.2353
CMYK	0.00, 0.60, 0.24, 0.00
HSL	324°, 100%, 70%
HSV	324°, 60%, 100%
XYZ	55.8417, 34.7029, 55.3849
YIQ	158.3490, 61.3350, 61.3590

# Conversions

## Conversions Part 2

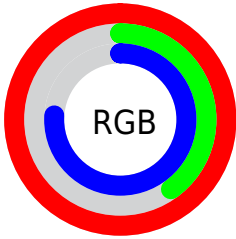
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 102, 195
Decimal	16737987
CIE Lab	65.52, 67.41, -19.11
CIE LCh	66, 70.061, 344.175
Yxy	34.7029, 0.3827, 0.2378
Android (android.graphics.Color)	4294928067 (0xFFFF66C3)
YUV	158.3490, 18.0689, 84.7629
Hunter-Lab	58.9092, 66.1143, -14.5065

# Details

The XYZ color **55.8417, 34.7029, 55.3849** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **47.7627, 76.9542, 46.5224**, and the grayscale version is **32.5602, 34.2559, 37.3047**.

A 20% lighter version of the original color is **71.3815, 53.4299, 98.6462**, and **28.0389, 14.9762, 26.6122** is the 20% darker color. If you saturate the color by 10%, you get **52.6166, 30.0020, 48.9168**, and if you desaturate by 10%, it is **59.9148, 40.9782, 62.5100**.

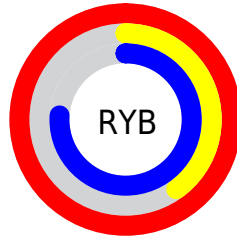
# Distribution



Red (100%)

Green (40%)

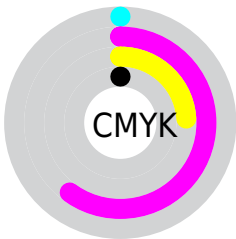
Blue (76%)



Red (100%)

Yellow (40%)

Blue (76%)

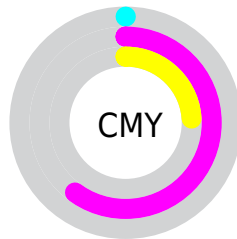


Cyan (0%)

Magenta (60%)

Yellow (24%)

Black (0%)



Cyan (0%)

Magenta (60%)

Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.8417, 34.7029, 55.3849 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 55.8417, 34.7029, 55.3849 by changing the saturation by 10% instead.





 55.8417, 34.7029,  
55.3849


 55.8417, 34.7029,  
55.3849

399.1794,  
323.2550, 424.6923


 40.3125, 23.4341,  
39.3093

 97.9142, 67.0253,  
99.5815

 27.9676, 14.9144,  
26.6907


 125.1883, 88.8476,  
128.5395

 18.4416, 8.7593,  
17.1107


 157.1081,  
114.9566, 162.6288

 11.3691, 4.5845,  
10.1507

 194.0388,  
145.7366, 202.2678

 6.3848, 2.0056,  
5.3921

236.3460,  
181.5721, 247.8751

 3.1233, 0.6107,  
2.4164

284.3949,

 1.2193, 0.0000,

222.8474, 299.8693

0.7953

338.5509,  
269.9469, 358.6688

■ 0.1215, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 55.8417, 34.7029,  
55.3849

■ 55.8417, 34.7029,  
55.3849

■ 52.6166, 30.0020,  
48.9168

■ 59.9148, 40.9782,  
62.5100

■ 50.1620, 26.7235,  
43.0716

■ 64.8985, 48.9516,  
70.3191

■ 48.3901, 24.6938,  
37.8129

■ 70.8526, 58.7398,  
78.8391

■ 47.1564, 23.6267,  
33.0848

■ 77.8306, 70.4480,  
88.0948

■ 47.1560, 23.6264,  
33.0833

■ 85.8821, 84.1732,  
98.1091

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.



48.7326, 34.7029, 94.5305



55.8417, 34.7029, 55.3849



56.0509, 34.7029, 25.5682

# Triad

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



55.8417, 34.7029, 55.3849



28.3844, 34.7029, 5.2119



20.7601, 34.7029, 92.4258

# Complementary

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



55.8417, 34.7029, 55.3849



47.7627, 76.9542, 46.5224

# 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.



17.3140, 34.7029, 53.3814



55.8417, 34.7029, 55.3849



21.0566, 34.7029, 10.0205

# Square

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



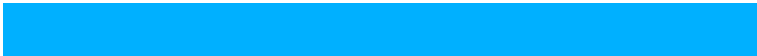
55.8417, 34.7029, 55.3849



38.6625, 34.7029, 5.3252



17.4099, 34.7029, 24.3758



27.8907, 34.7029, 122.3940



# Rectangle

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



55.8417, 34.7029, 55.3849



52.1489, 34.7029, 14.1025



17.4099, 34.7029, 24.3758



19.2050, 34.7029, 79.2450

# Sweetspot

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



55.8426, 34.7046, 55.3855



79.3510, 73.0244, 90.0330



37.4307, 24.2657, 97.3187



16.5132, 14.8323, 18.6683



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.



55.8426, 34.7046, 55.3855



52.0657, 29.2363, 47.6970



49.3737, 32.1170, 21.3209



18.4732, 18.1726, 21.1091



24.7155, 12.3755, 17.6844



2.4602, 1.2264, 2.0048



# Inverse Universe

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



55.8426, 34.7046, 55.3855



52.0657, 29.2363, 47.6970



56.5486, 80.4685, 92.7880



18.4732, 18.1726, 21.1091



24.7155, 12.3755, 17.6844

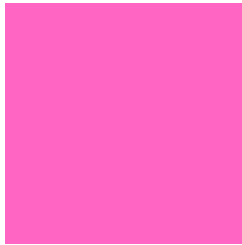


2.4602, 1.2264, 2.0048



# Previews

## White Background



This preview shows how the XYZ color 55.8417, 34.7029, 55.3849 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

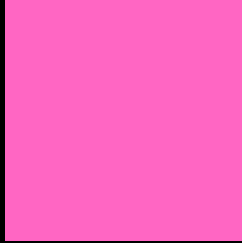
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.8417, 34.7029, 55.3849 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 55.8417, 34.7029, 55.3849**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.8417, 34.7029, 55.3849.



This preview shows how white text looks on a background with the XYZ color 55.8417, 34.7029,



# 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

55.8417, 34.7029, 55.3849

### Protanopia

36.7252, 35.0986, 83.4363

### Deuteranopia

35.7584, 35.0462, 51.8936



## Tritanopia

49.3113, 34.6030, 23.8187

# Trichromacy



## Original Color

55.8417, 34.7029, 55.3849



## Protanomaly

39.9954, 32.4057, 71.8571



## Deuteranomaly

40.8634, 33.0618, 52.9430



## Tritanomaly

51.1637, 34.3319, 33.2083

# Monochromacy



## Original Color

55.8417, 34.7029, 55.3849



## Achromatopsia

32.4990, 34.1914, 37.2345



## Achromatomaly

38.4315, 32.4547, 42.7669

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.8417, 34.7029, 55.3849 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, 102, 195)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 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, 102, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 195) }
```

## Border

The CSS property to change the border of an element to XYZ 55.8417, 34.7029, 55.3849 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, 102, 195) }
```



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

```
.border{ border-color:rgb(255, 102, 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, 102, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 195);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
195) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.8417, 34.7029, 55.3849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 102, 195) }
```

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

```
.background{ background-color: rgb(255,  
102, 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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