

# Converting Colors

XYZ(100.1037, 62.7017,  
40.1467)

Have a look what the booklet for  
XYZ(100.1037, 62.7017, 40.1467)  
contains.

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# Color

**XYZ(55.5678, 39.7633,  
38.0041)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF82A0
RGB	255, 130, 160
RGB Percent	100%, 51%, 63%
CMY	0.0000, 0.4902, 0.3725
CMYK	0.00, 0.49, 0.37, 0.00
HSL	346°, 100%, 75%
HSV	346°, 49%, 100%
XYZ	55.5678, 39.7633, 38.0041
YIQ	170.7950, 64.8700, 35.8300

# Conversions

## Conversions Part 2

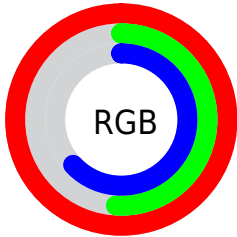
Format	Color
R <sub>Y</sub> B	255, 130, 160
Decimal	16745120
CIE Lab	69.30, 50.41, 6.25
CIE LCh	69, 50.797, 7.072
Yxy	39.7633, 0.4168, 0.2982
Android (android.graphics.Color)	4294935200 (0xFFFF82A0)
YUV	170.7950, -5.3219, 73.8478
Hunter-Lab	63.0581, 46.9452, 8.4076

# Details

The XYZ color **55.5678, 39.7633, 38.0041** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **58.5585, 81.7030, 83.9226**, and the grayscale version is **38.6101, 40.6208, 44.2360**.

A 20% lighter version of the original color is **71.0646, 61.2841, 72.3735**, and **27.8504, 17.8751, 16.4504** is the 20% darker color. If you saturate the color by 10%, you get **51.0210, 33.1749, 28.7656**, and if you desaturate by 10%, it is **61.2213, 48.1421, 48.9163**.

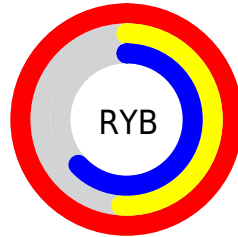
# Distribution



Red (100%)

Green (51%)

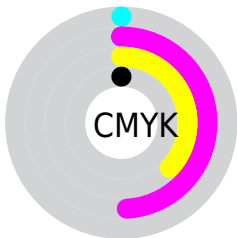
Blue (63%)



Red (100%)

Yellow (51%)

Blue (63%)

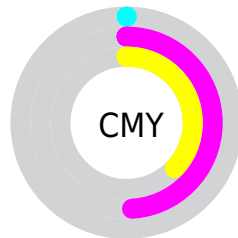


Cyan (0%)

Magenta (49%)

Yellow (37%)

Black (0%)



Cyan (0%)

Magenta (49%)


Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.5678, 39.7633, 38.0041 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 55.5678, 39.7633, 38.0041 by changing the saturation by 10% instead.





 55.5678, 39.7633,  
38.0041


 55.5678, 39.7633,  
38.0041


398.1622,  
345.1249, 352.9363


 40.0921, 27.3540,  
25.6840


 97.5159, 74.8029,  
73.3179

 27.7949, 17.8393,  
16.3638


 124.7190, 98.2021,  
97.1487

 18.3108, 10.8347,  
9.6248


 156.5619,  
126.0334, 125.6535

 11.2744, 5.9558,  
5.0486

193.4101,  
158.6811, 159.2509

 6.3204, 2.8182,  
2.2165

235.6289,  
196.5298, 198.3593

 3.0833, 1.0376,  
0.6839

283.5836,

 1.1980, 0.0000,

239.9637, 243.3973

0.0000

337.6395,  
289.3673, 294.7834

■ 0.1048, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 55.5678, 39.7633,  
38.0041

■ 55.5678, 39.7633,  
38.0041

■ 51.0210, 33.1749,  
28.7656

■ 61.2213, 48.1421,  
48.9163

■ 47.5024, 28.2394,  
21.1132

■ 68.0467, 58.4232,  
61.5790

■ 44.9276, 24.8092,  
14.9542

■ 76.1074, 70.7168,  
76.0668

■ 43.1966, 22.7073,  
10.1844

■ 85.4615, 85.1225,  
92.4493

■ 42.1671, 21.6744, 95.0500, 100.0000,  
6.6779 108.9000

■ 42.0875, 21.5990,  
6.3926

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



54.1341, 39.7633, 63.2299



55.5678, 39.7633, 38.0041



51.7205, 39.7633, 21.4921

# Triad

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



55.5678, 39.7633, 38.0041



29.1157, 39.7633, 16.4593



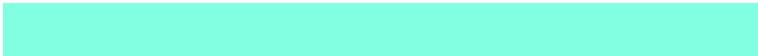
32.0138, 39.7633, 99.1494

# Complementary

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



55.5678, 39.7633, 38.0041



58.5585, 81.7030, 83.9226

# 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.



26.6226, 39.7633, 76.3599



55.5678, 39.7633, 38.0041



25.1249, 39.7633, 28.0645

# Square

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



55.5678, 39.7633, 38.0041



35.8980, 39.7633, 12.2915



24.2825, 39.7633, 49.0565



39.7552, 39.7633, 104.8194



# Rectangle

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



55.5678, 39.7633, 38.0041



46.9643, 39.7633, 15.5022



24.2825, 39.7633, 49.0565



29.9023, 39.7633, 92.9212

# Sweetspot

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



55.5689, 39.7653, 38.0048



79.7061, 76.2440, 82.4157



56.6972, 38.9949, 99.1462



16.6505, 15.6893, 16.9189



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.



55.5689, 39.7653, 38.0048



51.0278, 33.1845, 28.7797



58.0593, 48.4510, 27.4136



18.1880, 18.0585, 19.6073



22.0398, 11.3052, 3.5942



2.1865, 1.1170, 0.5635



# Inverse Universe

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



55.5689, 39.7653, 38.0048



51.0278, 33.1845, 28.7797



53.8461, 65.1444, 104.3439



18.1880, 18.0585, 19.6073



22.0398, 11.3052, 3.5942



2.1865, 1.1170, 0.5635



# Previews

## White Background



This preview shows how the XYZ color 55.5678, 39.7633, 38.0041 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

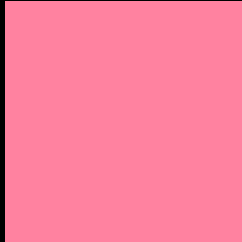
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.5678, 39.7633, 38.0041 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

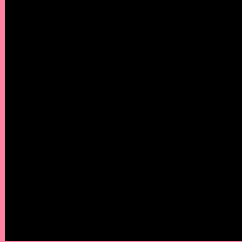
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 55.5678, 39.7633, 38.0041**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.5678, 39.7633, 38.0041.



This preview shows how white text looks on a background with the XYZ color 55.5678, 39.7633,



# 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

55.5678, 39.7633, 38.0041

### Protanopia

38.9937, 40.1883, 49.9579

### Deuteranopia

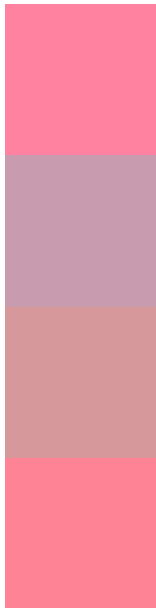
40.8464, 40.0905, 36.1572



## Tritanopia

54.2185, 39.8291, 30.8167

# Trichromacy



## Original Color

55.5678, 39.7633, 38.0041

## Protanomaly

43.1807, 38.7780, 45.2534

## Deuteranomaly

45.2533, 39.3038, 36.6538

## Tritanomaly

54.5491, 39.7433, 33.2299

# Monochromacy



## Original Color

55.5678, 39.7633, 38.0041

## Achromatopsia

38.7082, 40.7240, 44.3485

## Achromatomaly

43.2206, 39.1235, 41.8328

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.5678, 39.7633, 38.0041 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, 130, 160)` looks like.

```
.text, #text, p{  
    color:rgb(255, 130, 160)  
}
```

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, 130, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 130, 160) }
```

## Border

The CSS property to change the border of an element to XYZ 55.5678, 39.7633, 38.0041 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, 130, 160) }
```



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

```
.border{ border-color:rgb(255, 130, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 130, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 130, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 130, 160);  
box-shadow:4px 4px 4px 4px rgb(255, 130,  
160) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.5678, 39.7633, 38.0041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 130, 160) }
```

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

```
.background{ background-color: rgb(255,  
130, 160) }
```

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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