

# Converting Colors

XYZ(55.0812, 38.5661, 45.6158)

Have a look what the booklet for  
XYZ(55.0812, 38.5661, 45.6158)  
contains.

<b>XYZ(55.0810, 38.5655, 45.6151)</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(55.0810, 38.5655,  
45.6151)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FB7EB0
RGB	251, 126, 176
RGB Percent	98%, 49%, 69%
CMY	0.0157, 0.5059, 0.3098
CMYK	0.00, 0.50, 0.30, 0.02
HSL	336°, 94%, 74%
HSV	336°, 50%, 98%
XYZ	55.0810, 38.5655, 45.6151
YIQ	169.0750, 58.4500, 42.0500

# Conversions

## Conversions Part 2

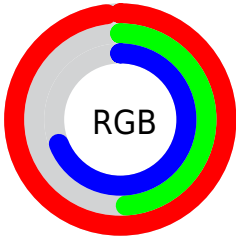
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	251, 126, 176
Decimal	16481968
CIE Lab	68.44, 52.92, -4.07
CIE LCh	68, 53.072, 355.599
Yxy	38.5655, 0.3955, 0.2769
Android (android.graphics.Color)	4294672048 (0xFFFB7EB0)
YUV	169.0750, 3.4140, 71.8482
Hunter-Lab	62.1011, 49.6448, -0.0795

# Details

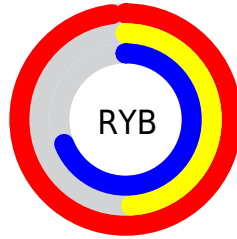
The XYZ color **55.0810, 38.5655, 45.6151** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **53.6459, 77.6481, 67.4225**, and the grayscale version is **37.7137, 39.6778, 43.2091**.

A 20% lighter version of the original color is **72.5334, 60.5421, 84.2068**, and **27.3772, 17.0381, 20.9145** is the 20% darker color. If you saturate the color by 10%, you get **50.8562, 32.3697, 37.2581**, and if you desaturate by 10%, it is **60.2784, 46.4413, 55.1128**.

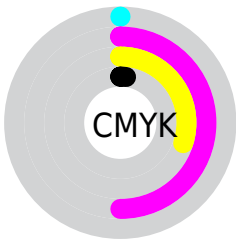
# Distribution



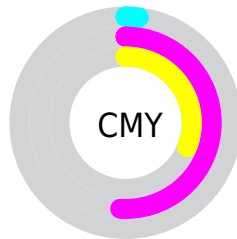
- Red (98%)
- Green (49%)
- Blue (69%)



- Red (98%)
- Yellow (49%)
- Blue (69%)



- Cyan (0%)
- Magenta (50%)
- Yellow (30%)
- Black (2%)




- Cyan (2%)
- Magenta (51%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.0810, 38.5655, 45.6151 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 55.0810, 38.5655, 45.6151 by changing the saturation by 10% instead.





 55.0810, 38.5655,  
45.6151


 55.0810, 38.5655,  
45.6151


396.3503,  
340.0396, 385.4916


 39.7007, 26.4219,  
31.5957


 96.8073, 72.9741,  
84.9709

 27.4884, 17.1395,  
20.7906


 123.8839, 96.0078,  
111.1444

 18.0789, 10.3340,  
12.7813


 155.5900,  
123.4404, 142.2063

 11.1066, 5.6210,  
7.1492

192.2910,  
155.6562, 178.5752

 6.2064, 2.6160,  
3.4757

234.3521,  
193.0397, 220.6696

 3.0129, 0.9347,  
1.3424

282.1388,

 1.1606, 0.0000,

235.9751, 268.9082

0.0961

336.0164,  
284.8470, 323.7093

■ 0.0749, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 55.0810, 38.5655,  
45.6151

■ 55.0810, 38.5655,  
45.6151

■ 50.8562, 32.3697,  
37.2581

■ 60.2784, 46.4413,  
55.1128

■ 47.5339, 27.7232,  
29.9907

■ 66.5052, 56.1034,  
65.7943

■ 45.0393, 24.4852,  
23.7606

■ 73.8177, 67.6562,  
77.7029

■ 43.2828, 22.4861,  
18.5082

■ 82.2668, 81.1940,  
90.8788

■ 42.1234, 21.4540,  
14.1551

■ 91.9003, 96.8052,  
105.3603

■ 42.1031, 21.4370,  
14.0752

■ 93.5938, 99.2493,  
108.8319

# Harmonies

## Analogous

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



51.5422, 38.5655, 73.6494



55.0810, 38.5655, 45.6151



53.1022, 38.5655, 25.1100

# Triad

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



55.0810, 38.5655, 45.6151



30.1542, 38.5655, 12.6988



28.3214, 38.5655, 92.4249

# Complementary

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



55.0810, 38.5655, 45.6151



53.6459, 77.6481, 67.4225

# 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.



24.0122, 38.5655, 65.1235



55.0810, 38.5655, 45.6151



24.9524, 38.5655, 21.0217

# Square

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



55.0810, 38.5655, 45.6151



37.8998, 38.5655, 10.8289



22.8789, 38.5655, 38.5646



35.4385, 38.5655, 106.4412



# Rectangle

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



55.0810, 38.5655, 45.6151



49.0589, 38.5655, 16.9840



22.8789, 38.5655, 38.5646



26.5414, 38.5655, 84.0908

# Sweetspot

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



55.0821, 38.5674, 45.6158



80.5609, 76.5859, 86.9169



48.9626, 34.3065, 95.3083



16.8548, 15.7710, 17.9947



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.



55.0821, 38.5674, 45.6158



52.6198, 33.4141, 38.4185



52.7114, 40.3384, 24.7490



17.5322, 17.3402, 19.3925



22.1982, 11.2950, 7.7523



2.1067, 1.0664, 0.9853



# Inverse Universe

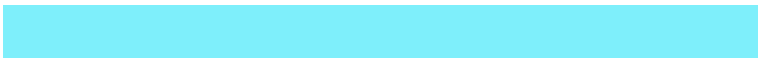
The Inverse Universe completely reimagines the original color for something new.



55.0821, 38.5674, 45.6158



52.6198, 33.4141, 38.4185



56.7385, 72.8424, 102.3366



17.5322, 17.3402, 19.3925



22.1982, 11.2950, 7.7523



2.1067, 1.0664, 0.9853



# Previews

## White Background



This preview shows how the XYZ color 55.0810, 38.5655, 45.6151 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

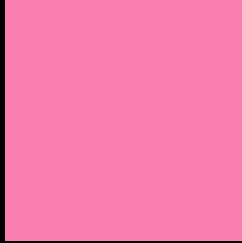
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.0810, 38.5655, 45.6151 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 55.0810, 38.5655, 45.6151**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.0810, 38.5655, 45.6151.



This preview shows how white text looks on a background with the XYZ color 55.0810, 38.5655,

45.6151.

# 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

55.0810, 38.5655, 45.6151

### Protanopia

38.6760, 38.9631, 60.7405

### Deuteranopia

39.4674, 38.6880, 43.4176



## Tritanopia

51.9814, 38.6845, 30.3183

# Trichromacy



## Original Color

55.0810, 38.5655, 45.6151



## Protanomaly

42.5734, 37.2764, 54.8204



## Deuteranomaly

43.9260, 37.7388, 43.9989



## Tritanomaly

52.8823, 38.4381, 35.2039

# Monochromacy



## Original Color

55.0810, 38.5655, 45.6151



## Achromatopsia

37.7116, 39.6755, 43.2066



## Achromatomaly

42.3908, 37.9031, 44.1115

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.0810, 38.5655, 45.6151 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(251, 126, 176)` looks like.

```
.text, #text, p{  
    color:rgb(251, 126, 176)  
}
```

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(251, 126, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 126, 176) }
```

## Border

The CSS property to change the border of an element to XYZ 55.0810, 38.5655, 45.6151 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(251, 126, 176) }
```



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

```
.border{ border-color:rgb(251, 126, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 126, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 126, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 126, 176);  
box-shadow:4px 4px 4px 4px rgb(251, 126,  
176) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.0810, 38.5655, 45.6151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 126, 176) }
```

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

```
.background{ background-color: rgb(251,  
126, 176) }
```

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