

# Converting Colors

XYZ(60.8677, 43.5839, 60.6702)

Have a look what the booklet for  
XYZ(60.8677, 43.5839, 60.6702)  
contains.

<b>XYZ(60.8711, 43.6540, 60.4761)</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(60.8711, 43.6540,  
60.4761)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF8AC9
RGB	255, 138, 201
RGB Percent	100%, 54%, 79%
CMY	0.0000, 0.4588, 0.2118
CMYK	0.00, 0.46, 0.21, 0.00
HSL	328°, 100%, 77%
HSV	328°, 46%, 100%
XYZ	60.8711, 43.6540, 60.4761
YIQ	180.1650, 49.5090, 44.3970

# Conversions

## Conversions Part 2

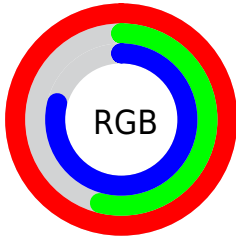
Format	Color
<a href="#">RYB</a>	<a href="#">255, 138, 201</a>
Decimal	<a href="#">16747209</a>
CIELab	<a href="#">72.00, 51.69, -12.68</a>
CIElCh	<a href="#">72, 53.221, 346.214</a>
Yxy	<a href="#">43.6540, 0.3689, 0.2646</a>
Android (android.graphics.Color)	<a href="#">4294937289 (0xFFFF8AC9)</a>
YUV	<a href="#">180.1650, 10.2717, 65.6303</a>
Hunter-Lab	<a href="#">66.0712, 48.8268, -8.0194</a>

# Details

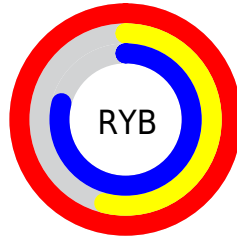
The XYZ color **60.8711, 43.6540, 60.4761** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **55.7574, 80.7299, 62.5164**, and the grayscale version is **43.4002, 45.6603, 49.7241**.

A 20% lighter version of the original color is **78.5818, 67.0636, 103.4106**, and **31.2017, 20.1830, 29.8550** is the 20% darker color. If you saturate the color by 10%, you get **56.3007, 36.6447, 52.3815**, and if you desaturate by 10%, it is **66.4085, 52.4272, 69.4175**.

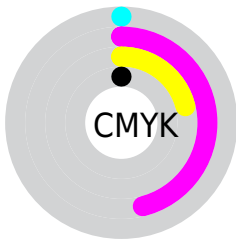
# Distribution



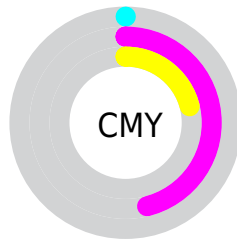
- Red (100%)
- Green (54%)
- Blue (79%)



- Red (100%)
- Yellow (54%)
- Blue (79%)



- Cyan (0%)
- Magenta (46%)
- Yellow (21%)
- Black (0%)




- Cyan (0%)
- Magenta (46%)
- Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 60.8711, 43.6540, 60.4761 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 60.8711, 43.6540, 60.4761 by changing the saturation by 10% instead.





 60.8711, 43.6540,  
60.4761


 60.8711, 43.6540,  
60.4761


417.5847,  
361.2945, 444.2037

 44.3733, 30.3986,  
43.3747

 105.1914, 80.6968,  
107.0701

 31.1633, 20.1413,  
29.8456


 133.7447,  
105.2531, 137.3998

 20.8756, 12.4978,  
19.4704


 167.0471,  
134.3450, 172.9760

 13.1451, 7.0837,  
11.8304

205.4641,  
168.3571, 214.2173

 7.6062, 3.5145,  
6.5072

249.3610,  
207.6737, 261.5422

 3.8937, 1.4059,  
3.0821

299.1032,

 1.6422, 0.2210,

252.6792, 315.3692

1.1367

355.0560,  
303.7580, 376.1168

■ 0.4197, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 60.8711, 43.6540,  
60.4761

■ 60.8711, 43.6540,  
60.4761

■ 56.3007, 36.6447,  
52.3815

■ 66.4085, 52.4272,  
69.4175

■ 52.6306, 31.2702,  
45.0983

■ 72.9670, 63.0693,  
79.2336

■ 49.7906, 27.3937,  
38.5915

■ 80.6004, 75.6842,  
89.9536

■ 47.6973, 24.8527,  
32.8208

■ 89.3577, 90.3664,  
101.6046

■ 46.2480, 23.4457,  
27.7390

95.0500, 100.0000,  
108.9000

■ 45.7771, 23.0748,  
25.8220

# Harmonies

## Analogous

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



55.4213, 43.6540, 91.2265



60.8711, 43.6540, 60.4761



60.6242, 43.6540, 34.8883

# Triad

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



60.8711, 43.6540, 60.4761



36.8036, 43.6540, 13.8626



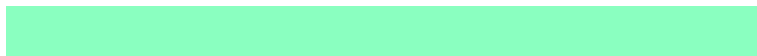
30.5414, 43.6540, 93.5602

# Complementary

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



60.8711, 43.6540, 60.4761



55.7574, 80.7299, 62.5164

# 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.



26.8788, 43.6540, 62.9113



60.8711, 43.6540, 60.4761



30.1169, 43.6540, 20.6407

# Square

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



60.8711, 43.6540, 60.4761



45.7947, 43.6540, 13.6228



26.7357, 43.6540, 36.5804



37.4673, 43.6540, 114.5416



# Rectangle

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



60.8711, 43.6540, 60.4761



57.2392, 43.6540, 23.6810



26.7357, 43.6540, 36.5804



28.9351, 43.6540, 83.6318

# Sweetspot

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



60.8722, 43.6560, 60.4769



82.1594, 78.2835, 92.0718



48.5383, 36.4304, 99.0813



17.2032, 16.1186, 19.1873



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.



60.8722, 43.6560, 60.4769



56.6657, 37.1939, 53.0605



55.3525, 41.4481, 31.4109



18.4184, 18.1507, 20.8202



23.9958, 12.0876, 13.8943



2.3916, 1.1990, 1.6435



# Inverse Universe

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



60.8722, 43.6560, 60.4769



56.6657, 37.1939, 53.0605



63.3647, 83.7728, 102.5756



18.4184, 18.1507, 20.8202



23.9958, 12.0876, 13.8943

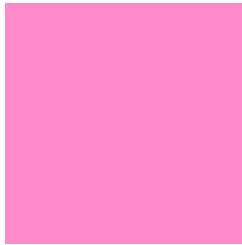


2.3916, 1.1990, 1.6435



# Previews

## White Background



This preview shows how the XYZ color 60.8711, 43.6540, 60.4761 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

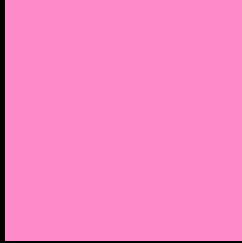
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 60.8711, 43.6540, 60.4761 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 60.8711, 43.6540, 60.4761**

## **Background**



This preview shows how black text looks on a background with the XYZ color 60.8711, 43.6540, 60.4761.



This preview shows how white text looks on a background with the XYZ color 60.8711, 43.6540,



# 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

60.8711, 43.6540, 60.4761

### Protanopia

44.3673, 44.0434, 78.1143

### Deuteranopia

44.8526, 43.8843, 57.7363



## Tritanopia

56.3032, 43.8110, 37.3872

# Trichromacy



## Original Color

60.8711, 43.6540, 60.4761



## Protanomaly

48.4707, 42.7207, 71.3369



## Deuteranomaly

49.5128, 43.0217, 58.5177



## Tritanomaly

57.6610, 43.6591, 44.9231

# Monochromacy



## Original Color

60.8711, 43.6540, 60.4761



## Achromatopsia

43.3819, 45.6411, 49.7032



## Achromatomaly

48.2644, 43.8065, 53.4886

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 60.8711, 43.6540, 60.4761 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, 138, 201)` looks like.

```
.text, #text, p{  
    color:rgb(255, 138, 201)  
}
```

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, 138, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 138, 201) }
```

## Border

The CSS property to change the border of an element to XYZ 60.8711, 43.6540, 60.4761 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, 138, 201) }
```



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

```
.border{ border-color:rgb(255, 138, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 138, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 138, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 138, 201);  
box-shadow:4px 4px 4px 4px rgb(255, 138,  
201) }
```

# Background

The CSS property to change the background color of an element to XYZ 60.8711, 43.6540, 60.4761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 138, 201) }
```

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

```
.background{ background-color: rgb(255,  
138, 201) }
```

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