

# Converting Colors

XYZ(67.2924, 46.3096, 35.0392)

Have a look what the booklet for  
XYZ(67.2924, 46.3096, 35.0392)  
contains.

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# Color

**XYZ(55.1588, 40.0295,  
34.5250)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FF8498
RGB	255, 132, 152
RGB Percent	100%, 52%, 60%
CMY	0.0000, 0.4823, 0.4039
CMYK	0.00, 0.48, 0.40, 0.00
HSL	350°, 100%, 76%
HSV	350°, 48%, 100%
XYZ	55.1588, 40.0295, 34.5250
YIQ	171.0570, 66.8880, 32.2960

# Conversions

## Conversions Part 2

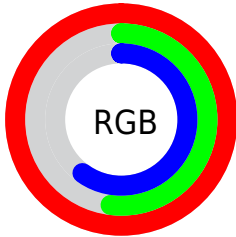
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 132, 152
Decimal	16745624
CIE <sub>Lab</sub>	69.49, 48.56, 11.02
CIE <sub>LCh</sub>	69, 49.797, 12.781
Yxy	40.0295, 0.4252, 0.3086
Android (android.graphics.Color)	4294935704 (0xFFFF8498)
YUV	171.0570, -9.3951, 73.6180
Hunter-Lab	63.2689, 44.8986, 11.9344

# Details

The XYZ color **55.1588, 40.0295, 34.5250** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **60.2732, 82.4246, 91.3350**, and the grayscale version is **38.7606, 40.7792, 44.4085**.

A 20% lighter version of the original color is **70.1509, 61.2569, 66.5189**, and **27.5790, 17.9905, 14.3309** is the 20% darker color. If you saturate the color by 10%, you get **50.5192, 33.3020, 25.1125**, and if you desaturate by 10%, it is **60.9603, 48.5769, 45.8791**.

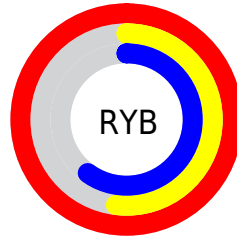
# Distribution



Red (100%)

Green (52%)

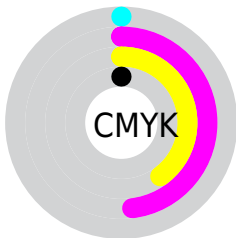
Blue (60%)



Red (100%)

Yellow (52%)

Blue (60%)

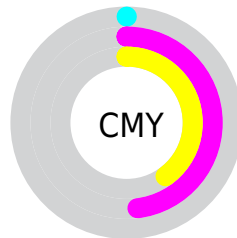


Cyan (0%)

Magenta (48%)

Yellow (40%)

Black (0%)



Cyan (0%)

Magenta (48%)

Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.1588, 40.0295, 34.5250 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 55.1588, 40.0295, 34.5250 by changing the saturation by 10% instead.





 55.1588, 40.0295,  
34.5250


 55.1588, 40.0295,  
34.5250


396.6402,  
346.2479, 337.3070


 39.7632, 27.5615,  
23.0166


 96.9205, 75.2084,  
67.8925

 27.5374, 17.9954,  
14.4003


 124.0174, 98.6882,  
90.5886

 18.1159, 10.9467,  
8.2577

 155.7455,  
126.6074, 117.8510

 11.1334, 6.0310,  
4.1702

192.4700,  
159.3503, 150.0984

 6.2246, 2.8639,  
1.7192

234.5564,  
197.3014, 187.7491

 3.0241, 1.0611,  
0.3738

282.3700,

 1.1665, 0.0000,

240.8452, 231.2217

0.0000

336.2761,  
290.3658, 280.9349

■ 0.0797, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 55.1588, 40.0295,  
34.5250

■ 55.1588, 40.0295,  
34.5250

■ 50.5192, 33.3020,  
25.1125

■ 60.9603, 48.5769,  
45.8791

■ 46.9590, 28.2564,  
17.5294

■ 67.9926, 59.0570,  
59.2738

■ 44.3892, 24.7443,  
11.6553

■ 76.3228, 71.5807,  
74.8037

■ 42.7051, 22.5892,  
7.3540

■ 86.0124, 86.2488,  
92.5571

■ 41.7670, 21.5491, 95.0500, 100.0000,  
4.4636 108.9000

■ 41.6482, 21.4233,  
4.0795

# Harmonies

## Analogous

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



54.7637, 40.0295, 58.0137



55.1588, 40.0295, 34.5250



50.5278, 40.0295, 19.9399

# Triad

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



55.1588, 40.0295, 34.5250



28.5026, 40.0295, 18.5379



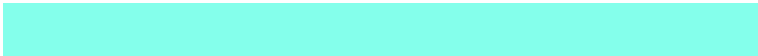
33.6610, 40.0295, 100.8614

# Complementary

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



55.1588, 40.0295, 34.5250



60.2732, 82.4246, 91.3350

# 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.



27.8116, 40.0295, 81.0000



55.1588, 40.0295, 34.5250



25.1335, 40.0295, 31.7726

# Square

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



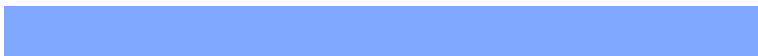
55.1588, 40.0295, 34.5250



34.7356, 40.0295, 13.1399



24.8997, 40.0295, 54.1064



41.5621, 40.0295, 102.4184



# Rectangle

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



55.1588, 40.0295, 34.5250



45.5471, 40.0295, 14.9221



24.8997, 40.0295, 54.1064



31.4188, 40.0295, 95.8523

# Sweetspot

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



55.1598, 40.0315, 34.5257



80.2546, 77.5216, 82.0414



60.3987, 41.3019, 99.3964



16.7422, 15.9342, 16.7597



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.



55.1598, 40.0315, 34.5257



50.6145, 33.4388, 25.3100



60.3499, 52.8151, 28.8460



18.1298, 18.0352, 19.3006



21.7973, 11.2082, 2.3171



2.1549, 1.1043, 0.3972



# Inverse Universe

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



55.1598, 40.0315, 34.5257



50.6145, 33.4388, 25.3100



51.6140, 60.2205, 103.5111



18.1298, 18.0352, 19.3006



21.7973, 11.2082, 2.3171



2.1549, 1.1043, 0.3972



# Previews

## White Background



This preview shows how the XYZ color 55.1588, 40.0295, 34.5250 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

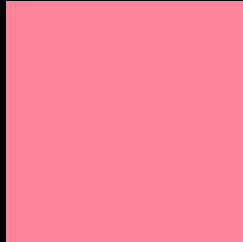
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.1588, 40.0295, 34.5250 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 55.1588, 40.0295, 34.5250**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.1588, 40.0295, 34.5250.



This preview shows how white text looks on a background with the XYZ color 55.1588, 40.0295,

34.5250.

# 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

55.1588, 40.0295, 34.5250

### Protanopia

38.6476, 40.1251, 44.7377

### Deuteranopia

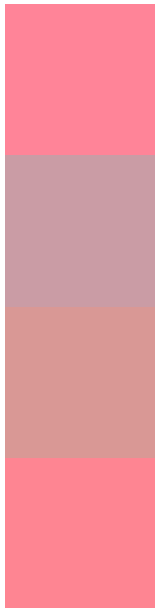
41.0476, 40.2596, 33.2112



## Tritanopia

54.3561, 40.1042, 30.8626

# Trichromacy



## Original Color

55.1588, 40.0295, 34.5250

## Protanomaly

43.0371, 39.0501, 40.8664

## Deuteranomaly

45.2683, 39.3781, 33.6486

## Tritanomaly

54.4489, 39.9212, 32.0299

# Monochromacy



## Original Color

55.1588, 40.0295, 34.5250

## Achromatopsia

38.7082, 40.7240, 44.3485

## Achromatomaly

43.1149, 39.3508, 40.4450

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.1588, 40.0295, 34.5250 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, 132, 152)` looks like.

```
.text, #text, p{  
    color:rgb(255, 132, 152)  
}
```

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, 132, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 132, 152) }
```

## Border

The CSS property to change the border of an element to XYZ 55.1588, 40.0295, 34.5250 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, 132, 152) }
```



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

```
.border{ border-color:rgb(255, 132, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 132, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 132, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 132, 152);  
box-shadow:4px 4px 4px 4px rgb(255, 132,  
152) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.1588, 40.0295, 34.5250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 132, 152) }
```

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

```
.background{ background-color: rgb(255,  
132, 152) }
```

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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