

# Converting Colors

XYZ(55.4915, 40.3532, 47.9027)

Have a look what the booklet for  
XYZ(55.4915, 40.3532, 47.9027)  
contains.

<b>XYZ(55.4747, 40.3019, 48.0352)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(55.4747, 40.3019,  
48.0352)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F886B4
RGB	248, 134, 180
RGB Percent	97%, 53%, 71%
CMY	0.0274, 0.4745, 0.2941
CMYK	0.00, 0.46, 0.27, 0.03
HSL	336°, 89%, 75%
HSV	336°, 46%, 97%
XYZ	55.4747, 40.3019, 48.0352
YIQ	173.3300, 53.1780, 38.4740

# Conversions

## Conversions Part 2

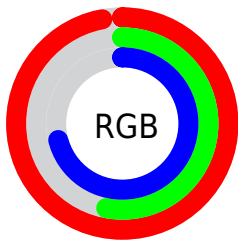
Format	Color
R <sub>YB</sub>	248, 134, 180
Decimal	16287412
CIE Lab	69.68, 48.52, -4.52
CIE LCh	70, 48.734, 354.677
Yxy	40.3019, 0.3857, 0.2802
Android (android.graphics.Color)	4294477492 (0xFFFF886B4)
YUV	173.3300, 3.2883, 65.4856
Hunter-Lab	63.4838, 44.8839, -0.4233

# Details

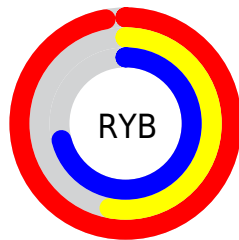
The XYZ color **55.4747, 40.3019, 48.0352** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **54.0615, 76.4685, 67.7915**, and the grayscale version is **39.8547, 41.9303, 45.6621**.

A 20% lighter version of the original color is **74.5779, 63.7113, 87.7237**, and **27.6857, 18.0884, 22.1109** is the 20% darker color. If you saturate the color by 10%, you get **51.0126, 33.6621, 39.5050**, and if you desaturate by 10%, it is **60.9035, 48.6172, 57.6821**.

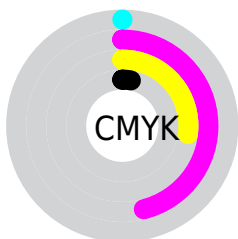
# Distribution



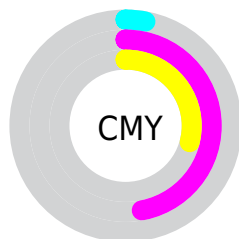
- Red (97%)
- Green (53%)
- Blue (71%)



- Red (97%)
- Yellow (53%)
- Blue (71%)



- Cyan (0%)
- Magenta (46%)
- Yellow (27%)
- Black (3%)



- Cyan (3%)
- Magenta (47%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.4747, 40.3019, 48.0352 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 55.4747, 40.3019, 48.0352 by changing the saturation by 10% instead.





 55.4747, 40.3019,  
48.0352


 55.4747, 40.3019,  
48.0352


397.8160,  
347.3944, 395.4444


 40.0173, 27.7740,  
33.4946


 97.3804, 75.6230,  
88.6229

 27.7363, 18.1554,  
22.2314


 124.5593, 99.1850,  
115.5071

 18.2664, 11.0616,  
13.8271


 156.3762,  
127.1939, 147.3428

 11.2423, 6.1083,  
7.8631

193.1963,  
160.0340, 184.5487

 6.2985, 2.9110,  
3.9210

235.3849,  
198.0896, 227.5433

 3.0698, 1.0855,  
1.5821

283.3075,

 1.1908, 0.0000,

241.7454, 276.7450

0.2780

337.3295,  
291.3855, 332.5726

■ 0.0991, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 55.4747, 40.3019,  
48.0352

■ 55.4747, 40.3019,  
48.0352

■ 51.0126, 33.6621,  
39.5050

■ 60.9035, 48.6172,  
57.6821

■ 47.4519, 28.5758,  
32.0437

■ 67.3520, 58.7070,  
68.4859

■ 44.7238, 24.9139,  
25.6027

■ 74.8731, 70.6694,  
80.4873

■ 42.7474, 22.5234,  
20.1277

■ 83.5150, 84.5939,  
93.7241

■ 41.4233, 21.2150,  
15.5561

■ 92.3560, 98.6303,  
107.9101

■ 41.0148, 20.8778,  
13.9407

■ 92.5215, 98.6965,  
108.7817

# Harmonies

## Analogous

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



52.0578, 40.3019, 74.0849



55.4747, 40.3019, 48.0352



53.8029, 40.3019, 28.1331

# Triad

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



55.4747, 40.3019, 48.0352



32.3172, 40.3019, 15.0671



30.1902, 40.3019, 89.7077

# Complementary

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



55.4747, 40.3019, 48.0352



54.0615, 76.4685, 67.7915

# 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.



26.1129, 40.3019, 64.6251



55.4747, 40.3019, 48.0352



27.2177, 40.3019, 23.2573

# Square

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



55.4747, 40.3019, 48.0352



39.7298, 40.3019, 13.2892



25.1042, 40.3019, 39.9752



36.9162, 40.3019, 102.8805



# Rectangle

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



55.4747, 40.3019, 48.0352



50.1318, 40.3019, 19.8821



25.1042, 40.3019, 39.9752



28.5032, 40.3019, 82.0465

# Sweetspot

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



55.4758, 40.3039, 48.0360



81.4587, 78.0032, 88.3821



49.4233, 36.1781, 93.1854



17.0329, 16.0505, 18.2907



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.



55.4758, 40.3039, 48.0360



54.7252, 36.4177, 42.8422



52.9137, 41.4752, 27.7733



17.5348, 17.3413, 19.4061



22.2212, 11.3042, 7.8732



2.1090, 1.0673, 0.9973



# Inverse Universe

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



55.4758, 40.3039, 48.0360



54.7252, 36.4177, 42.8422



57.4965, 73.2874, 99.9227



17.5348, 17.3413, 19.4061



22.2212, 11.3042, 7.8732



2.1090, 1.0673, 0.9973



# Previews

## White Background



This preview shows how the XYZ color 55.4747, 40.3019, 48.0352 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 55.4747, 40.3019, 48.0352 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 55.4747, 40.3019, 48.0352**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.4747, 40.3019, 48.0352.



This preview shows how white text looks on a background with the XYZ color 55.4747, 40.3019,



# 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

55.4747, 40.3019, 48.0352

### Protanopia

40.1585, 40.5327, 61.5841

### Deuteranopia

41.2006, 40.3197, 46.1684



## Tritanopia

52.5393, 40.3707, 33.8774

# Trichromacy



## Original Color

55.4747, 40.3019, 48.0352



## Protanomaly

44.1317, 39.2741, 56.2936



## Deuteranomaly

45.5038, 39.6954, 46.8586



## Tritanomaly

53.5275, 40.3430, 38.6840

# Monochromacy



## Original Color

55.4747, 40.3019, 48.0352



## Achromatopsia

39.7200, 41.7885, 45.5077



## Achromatomaly

44.0540, 40.2102, 46.5137

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.4747, 40.3019, 48.0352 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(248, 134, 180)` looks like.

```
.text, #text, p{  
    color:rgb(248, 134, 180)  
}
```

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(248, 134, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 134, 180) }
```

## Border

The CSS property to change the border of an element to XYZ 55.4747, 40.3019, 48.0352 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(248, 134, 180) }
```



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

```
.border{ border-color:rgb(248, 134, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 134, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 134, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 134, 180);  
box-shadow:4px 4px 4px 4px rgb(248, 134,  
180) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.4747, 40.3019, 48.0352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 134, 180) }
```

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

```
.background{ background-color: rgb(248,  
134, 180) }
```

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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