

# Converting Colors

XYZ(90.5085, 60.6896, 47.8264)

Have a look what the booklet for  
XYZ(90.5085, 60.6896, 47.8264)  
contains.

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# Color

**XYZ(59.2019, 44.6454,  
46.5714)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF91B0
RGB	255, 145, 176
RGB Percent	100%, 57%, 69%
CMY	0.0000, 0.4313, 0.3098
CMYK	0.00, 0.43, 0.31, 0.00
HSL	343°, 100%, 78%
HSV	343°, 43%, 100%
XYZ	59.2019, 44.6454, 46.5714
YIQ	181.4240, 55.6090, 32.9610

# Conversions

## Conversions Part 2

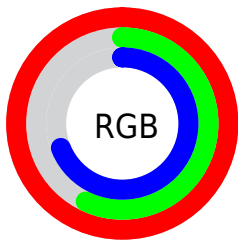
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">255, 145, 176</a>
Decimal	<a href="#">16748976</a>
CIELab	<a href="#">72.66, 44.86, 2.17</a>
CIELCh	<a href="#">73, 44.914, 2.768</a>
Yxy	<a href="#">44.6454, 0.3936, 0.2968</a>
Android (android.graphics.Color)	<a href="#">4294939056</a> ( <a href="#">0xFFFF91B0</a> )
YUV	<a href="#">181.4240, -2.6740, 64.5262</a>
Hunter-Lab	<a href="#">66.8172, 41.2258, 5.4471</a>

# Details

The XYZ color **59.2019, 44.6454, 46.5714** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **60.8936, 82.9225, 83.3215**, and the grayscale version is **44.1446, 46.4436, 50.5770**.

A 20% lighter version of the original color is **76.5504, 68.8028, 84.8469**, and **30.2302, 20.8453, 21.4990** is the 20% darker color. If you saturate the color by 10%, you get **54.0419, 37.0325, 36.5060**, and if you desaturate by 10%, it is **65.4830, 54.1091, 58.2177**.

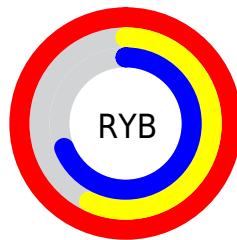
# Distribution



Red (100%)

Green (57%)

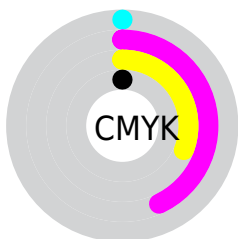
Blue (69%)



Red (100%)

Yellow (57%)

Blue (69%)

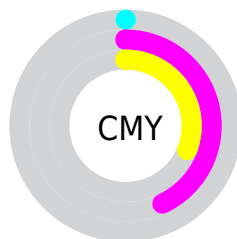


Cyan (0%)

Magenta (43%)

Yellow (31%)

Black (0%)



Cyan (0%)

Magenta (43%)


Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.2019, 44.6454, 46.5714 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 59.2019, 44.6454, 46.5714 by changing the saturation by 10% instead.





 59.2019, 44.6454,  
46.5714


 59.2019, 44.6454,  
46.5714


411.5318,  
365.3355, 389.4452

 43.0227, 31.1782,  
32.3450

 102.7840, 82.1880,  
86.4168

 30.0975, 20.7346,  
21.3582


 130.9176,  
107.0323, 112.8729

 20.0610, 12.9301,  
13.1923


163.7666,  
136.4377, 144.2426

 12.5479, 7.3805,  
7.4288

201.6965,  
170.7886, 180.9446

 7.1928, 3.7012,  
3.6492

245.0727,  
210.4694, 223.3973

 3.6304, 1.5078,  
1.4349

294.2603,

 1.4952, 0.2942,

255.8646, 272.0193

0.1687

349.6249,  
307.3585, 327.2291

■ 0.3226, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 59.2019, 44.6454,  
46.5714

■ 59.2019, 44.6454,  
46.5714

■ 54.0419, 37.0325,  
36.5060

■ 65.4830, 54.1091,  
58.2177

■ 49.9307, 31.1416,  
27.9480

■ 72.9448, 65.5283,  
71.5085

■ 46.7926, 26.8377,  
20.8215

■ 81.6465, 79.0074,  
86.5070

■ 44.5394, 23.9624,  
15.0420

■ 91.6422, 94.6415,  
103.2722

■ 43.0655, 22.3236, 95.0500, 100.0000,  
10.5147 108.9000

■ 42.4049, 21.7260,  
8.0645

# Harmonies

## Analogous

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



57.1766, 44.6454, 70.9743



59.2019, 44.6454, 46.5714



56.2997, 44.6454, 28.9119

# Triad

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



59.2019, 44.6454, 46.5714



34.8403, 44.6454, 20.7488



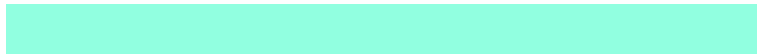
35.9491, 44.6454, 97.5333

# Complementary

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



59.2019, 44.6454, 46.5714



60.8936, 82.9225, 83.3215

# 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.



31.0553, 44.6454, 75.6871



59.2019, 44.6454, 46.5714



30.4723, 44.6454, 31.5212

# Square

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



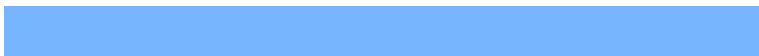
59.2019, 44.6454, 46.5714



41.7157, 44.6454, 17.1433



29.1752, 44.6454, 50.7098



43.1607, 44.6454, 105.2021



# Rectangle

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



59.2019, 44.6454, 46.5714



52.1460, 44.6454, 21.8533



29.1752, 44.6454, 50.7098



34.0098, 44.6454, 91.3322

# Sweetspot

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



59.2030, 44.6475, 46.5723



81.7723, 79.2032, 86.7207



58.8659, 43.2939, 99.8617



17.0673, 16.2756, 17.8200



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.



59.2030, 44.6475, 46.5723



54.5733, 37.8073, 37.5709



60.5094, 51.6205, 33.5654



18.2197, 18.0712, 19.7743



22.2121, 11.3741, 4.5013



2.2070, 1.1252, 0.6716



# Inverse Universe

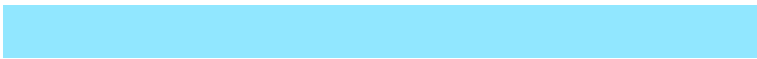
The Inverse Universe completely reimagines the original color for something new.



59.2030, 44.6475, 46.5723



54.5733, 37.8073, 37.5709



58.3513, 70.4864, 105.1375



18.2197, 18.0712, 19.7743



22.2121, 11.3741, 4.5013



2.2070, 1.1252, 0.6716



# Previews

## White Background



This preview shows how the XYZ color 59.2019, 44.6454, 46.5714 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

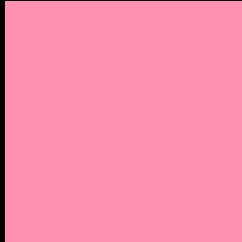
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.2019, 44.6454, 46.5714 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

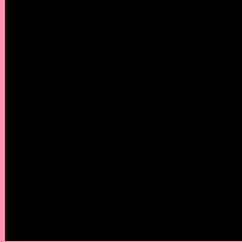
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 59.2019, 44.6454, 46.5714**

## **Background**



This preview shows how black text looks on a background with the XYZ color 59.2019, 44.6454, 46.5714.



This preview shows how white text looks on a background with the XYZ color 59.2019, 44.6454,



# 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

59.2019, 44.6454, 46.5714

### Protanopia

43.9022, 45.1280, 58.0264

### Deuteranopia

45.8474, 44.9695, 44.7916



## Tritanopia

57.3559, 44.5657, 38.3799

# Trichromacy



## Original Color

59.2019, 44.6454, 46.5714



## Protanomaly

47.8902, 43.8824, 53.5230



## Deuteranomaly

49.8534, 44.2716, 45.4529



## Tritanomaly

58.0983, 44.6549, 41.1544

# Monochromacy



## Original Color

59.2019, 44.6454, 46.5714



## Achromatopsia

43.9204, 46.2077, 50.3202



## Achromatomaly

48.1517, 44.6698, 48.7321

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.2019, 44.6454, 46.5714 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, 145, 176)` looks like.

```
.text, #text, p{  
    color:rgb(255, 145, 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(255, 145, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 145, 176) }
```

## Border

The CSS property to change the border of an element to XYZ 59.2019, 44.6454, 46.5714 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, 145, 176) }
```



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

```
.border{ border-color:rgb(255, 145, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 145, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 145, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 145, 176);  
box-shadow:4px 4px 4px 4px rgb(255, 145,  
176) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.2019, 44.6454, 46.5714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 145, 176) }
```

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

```
.background{ background-color: rgb(255,  
145, 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](#).

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