

# Converting Colors

XYZ(56.6934, 42.1232, 44.7526)

Have a look what the booklet for  
XYZ(56.6934, 42.1232, 44.7526)  
contains.

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# Color

**XYZ(56.5591, 41.9916,  
44.6594)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FB8BAD
RGB	251, 139, 173
RGB Percent	98%, 55%, 68%
CMY	0.0157, 0.4549, 0.3216
CMYK	0.00, 0.45, 0.31, 0.02
HSL	342°, 93%, 76%
HSV	342°, 45%, 98%
XYZ	56.5591, 41.9916, 44.6594
YIQ	176.3640, 55.8380, 34.3180

# Conversions

## Conversions Part 2

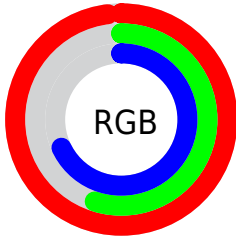
Format	Color
<a href="#">RYB</a>	<a href="#">251, 139, 173</a>
Decimal	<a href="#">16485293</a>
<a href="#">CIELab</a>	<a href="#">70.87, 46.14, 1.17</a>
<a href="#">CIElCh</a>	<a href="#">71, 46.153, 1.451</a>
<a href="#">Yxy</a>	<a href="#">41.9916, 0.3949, 0.2932</a>
<a href="#">Android (android.graphics.Color)</a>	<a href="#">4294675373 (0xFFFB8BAD)</a>
<a href="#">YUV</a>	<a href="#">176.3640, -1.6585, 65.4558</a>
<a href="#">Hunter-Lab</a>	<a href="#">64.8009, 42.3955, 4.4993</a>

# Details

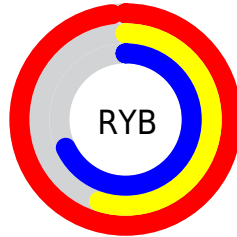
The XYZ color **56.5591, 41.9916, 44.6594** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **57.6710, 79.4941, 77.9541**, and the grayscale version is **41.4460, 43.6044, 47.4852**.

A 20% lighter version of the original color is **74.5354, 65.4450, 82.1025**, and **28.5172, 19.2425, 20.3003** is the 20% darker color. If you saturate the color by 10%, you get **51.7507, 34.9070, 35.2499**, and if you desaturate by 10%, it is **62.4254, 50.8373, 55.5144**.

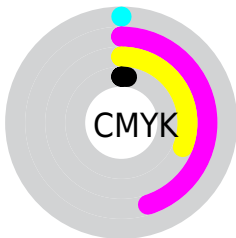
# Distribution



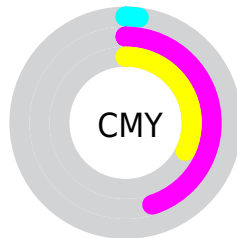
- Red (98%)
- Green (55%)
- Blue (68%)



- Red (98%)
- Yellow (55%)
- Blue (68%)



- Cyan (0%)
- Magenta (45%)
- Yellow (31%)
- Black (2%)




- Cyan (2%)
- Magenta (45%)
- Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.5591, 41.9916, 44.6594 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 56.5591, 41.9916, 44.6594 by changing the saturation by 10% instead.





 56.5591, 41.9916,  
44.6594


 56.5591, 41.9916,  
44.6594


401.8361,  
354.4481, 381.5122


 40.8901, 29.0947,  
30.8482


 98.9566, 78.1869,  
83.5221

 28.4205, 19.1525,  
20.2258


 126.4159,  
102.2541, 109.4107

 18.7850, 11.7805,  
12.3736


 158.5360,  
130.8136, 140.1622

 11.6181, 6.5944,  
6.8730

195.6823,  
164.2497, 176.1952

 6.5545, 3.2098,  
3.3056

238.2201,  
202.9467, 217.9281

 3.2289, 1.2422,  
1.2527

286.5147,

 1.2760, 0.0958,

247.2893, 265.7796

0.0226

340.9316,  
297.6616, 320.1681

■ 0.1651, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 56.5591, 41.9916,  
44.6594

■ 56.5591, 41.9916,  
44.6594

■ 51.7507, 34.9070,  
35.2499

■ 62.4254, 50.8373,  
55.5144

■ 47.9303, 29.4580,  
27.2191

■ 69.4065, 61.5458,  
67.8724

■ 45.0247, 25.5127,  
20.4985

■ 77.5594, 74.2185,  
81.7904

■ 42.9484, 22.9154,  
15.0115

■ 86.9360, 88.9474,  
97.3220

■ 41.5976, 21.4756,  
10.6715

■ 93.5937, 99.2493,  
108.8318

■ 41.0948, 21.0337,  
8.7657

# Harmonies

## Analogous

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



54.3309, 41.9916, 69.0435



56.5591, 41.9916, 44.6594



53.8730, 41.9916, 27.0228

# Triad

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



56.5591, 41.9916, 44.6594



32.6954, 41.9916, 18.3113



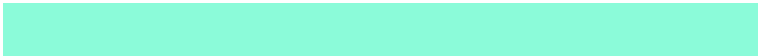
33.2656, 41.9916, 93.8095

# Complementary

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



56.5591, 41.9916, 44.6594



57.6710, 79.4941, 77.9541

# 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.



28.5985, 41.9916, 71.5132



56.5591, 41.9916, 44.6594



28.3002, 41.9916, 28.3500

# Square

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



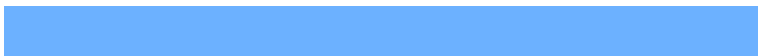
56.5591, 41.9916, 44.6594



39.5391, 41.9916, 15.1467



26.9007, 41.9916, 46.8007



40.2868, 41.9916, 102.3319



# Rectangle

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



56.5591, 41.9916, 44.6594



49.8340, 41.9916, 19.9909



26.9007, 41.9916, 46.8007



31.4026, 41.9916, 87.3871

# Sweetspot

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



56.5603, 41.9937, 44.6602



81.8745, 79.2441, 87.2590



54.8281, 39.9606, 96.0903



17.0923, 16.2856, 17.9517



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.



56.5603, 41.9937, 44.6602



53.9027, 36.5592, 37.0607



56.9355, 47.3556, 30.5685



17.4615, 17.3119, 19.0199



21.6574, 11.0787, 4.9042



2.0508, 1.0440, 0.6907



# Inverse Universe

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



56.5603, 41.9937, 44.6602



53.9027, 36.5592, 37.0607



56.4885, 69.3091, 101.6676



17.4615, 17.3119, 19.0199



21.6574, 11.0787, 4.9042



2.0508, 1.0440, 0.6907



# Previews

## White Background



This preview shows how the XYZ color 56.5591, 41.9916, 44.6594 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 56.5591, 41.9916, 44.6594 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 56.5591, 41.9916, 44.6594

## Background



This preview shows how black text looks on a background with the XYZ color 56.5591, 41.9916, 44.6594.



This preview shows how white text looks on a background with the XYZ color 56.5591, 41.9916,



# 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

56.5591, 41.9916, 44.6594

### Protanopia

41.3638, 42.3953, 56.4551

### Deuteranopia

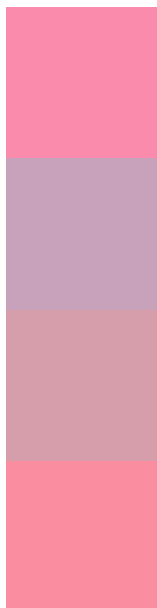
43.0628, 42.1699, 42.9157



## Tritanopia

54.6392, 42.0846, 35.3803

# Trichromacy



## Original Color

56.5591, 41.9916, 44.6594

## Protanomaly

45.4272, 41.3143, 52.0346

## Deuteranomaly

47.0442, 41.3124, 43.5248

## Tritanomaly

55.4425, 42.2081, 38.4825

# Monochromacy



## Original Color

56.5591, 41.9916, 44.6594

## Achromatopsia

41.2663, 43.4154, 47.2793

## Achromatomaly

45.4637, 41.9860, 46.2654

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.5591, 41.9916, 44.6594 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, 139, 173)` looks like.

```
.text, #text, p{  
    color:rgb(251, 139, 173)  
}
```

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, 139, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 139, 173) }
```

## Border

The CSS property to change the border of an element to XYZ 56.5591, 41.9916, 44.6594 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, 139, 173) }
```



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

```
.border{ border-color:rgb(251, 139, 173) }
```

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

Here you see how a box with a 4 pixel rgb(251, 139, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 139, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 139, 173);  
box-shadow:4px 4px 4px 4px rgb(251, 139,  
173) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.5591, 41.9916, 44.6594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 139, 173) }
```

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

```
.background{ background-color: rgb(251,  
139, 173) }
```

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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