

# Converting Colors

XYZ(116.4597, 74.4498,  
41.9589)

Have a look what the booklet for  
XYZ(116.4597, 74.4498, 41.9589)  
contains.

<b>XYZ(57.9519, 44.3910, 39.2321)</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(57.9519, 44.3910,  
39.2321)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF92A1
RGB	255, 146, 161
RGB Percent	100%, 57%, 63%
CMY	0.0000, 0.4274, 0.3686
CMYK	0.00, 0.43, 0.37, 0.00
HSL	352°, 100%, 79%
HSV	352°, 43%, 100%
XYZ	57.9519, 44.3910, 39.2321
YIQ	180.3010, 60.1490, 27.7730

# Conversions

## Conversions Part 2

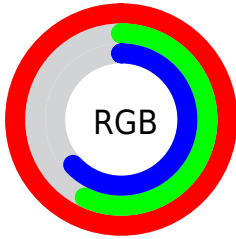
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 146, 161
Decimal	16749217
CIE <sub>Lab</sub>	72.49, 42.56, 10.25
CIE <sub>LCh</sub>	72, 43.779, 13.541
Yxy	44.3910, 0.4093, 0.3136
Android (android.graphics.Color)	4294939297 (0xFFFF92A1)
YUV	180.3010, -9.5154, 65.5110
Hunter-Lab	66.6266, 38.6631, 11.7265

# Details

The XYZ color **57.9519, 44.3910, 39.2321** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **63.3444, 83.9233, 95.3031**, and the grayscale version is **43.5722, 45.8414, 49.9213**.

A 20% lighter version of the original color is **74.7552, 68.4589, 74.2396**, and **29.2345, 20.5566, 17.1788** is the 20% darker color. If you saturate the color by 10%, you get **52.6785, 36.6796, 28.7329**, and if you desaturate by 10%, it is **64.4454, 53.9964, 51.8216**.

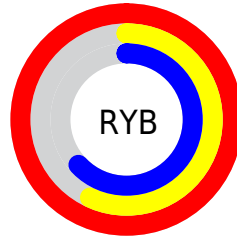
# Distribution



Red (100%)

Green (57%)

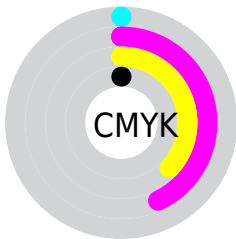
Blue (63%)



Red (100%)

Yellow (57%)

Blue (63%)

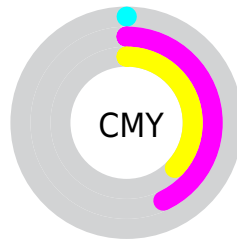


Cyan (0%)

Magenta (43%)

Yellow (37%)

Black (0%)



Cyan (0%)

Magenta (43%)


Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.9519, 44.3910, 39.2321 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 57.9519, 44.3910, 39.2321 by changing the saturation by 10% instead.




 57.9519, 44.3910,  
39.2321

 57.9519, 44.3910,  
39.2321


406.9634,  
364.3015, 358.3317

 42.0131, 30.9780,  
26.6311

 100.9762, 81.8058,  
75.2170

 29.3027, 20.5821,  
17.0664


 128.7924,  
106.5764, 99.4380

 19.4554, 12.8189,  
10.1194

161.2984,  
135.9016, 128.3694

 12.1057, 7.3039,  
5.3715

198.8596,  
170.1659, 162.4298

 6.8884, 3.6529,  
2.4043

241.8413,  
209.7536, 202.0376

 3.4381, 1.4814,  
0.7888

290.6090,

 1.3895, 0.2756,

255.0492, 247.6116

0.0000

345.5279,  
306.4370, 299.5700

■ 0.2487, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 57.9519, 44.3910,  
39.2321

■ 57.9519, 44.3910,  
39.2321

■ 52.6785, 36.6796,  
28.7329

■ 64.4454, 53.9964,  
51.8216

■ 48.5447, 30.7305,  
20.2078

■ 72.2255, 65.6028,  
66.6041

■ 45.4661, 26.4056,  
13.5329

■ 81.3581, 79.3171,  
83.6782

■ 43.3446, 23.5434,  
8.5688

■ 91.9036, 95.2368,  
103.1360

■ 42.0630, 21.9486, 95.0500, 100.0000,  
5.1562 108.9000

■ 41.5445, 21.3818,  
3.5338

# Harmonies

## Analogous

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



57.7155, 44.3910, 61.1081



57.9519, 44.3910, 39.2321



53.6245, 44.3910, 24.9638

# Triad

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



57.9519, 44.3910, 39.2321



32.9545, 44.3910, 24.0114



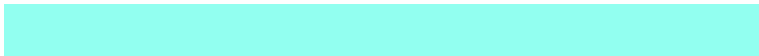
38.2083, 44.3910, 100.2265

# Complementary

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



57.9519, 44.3910, 39.2321



63.3444, 83.9233, 95.3031

# 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.



32.5127, 44.3910, 83.0364



57.9519, 44.3910, 39.2321



29.7365, 44.3910, 37.4775

# Square

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



57.9519, 44.3910, 39.2321



38.8813, 44.3910, 18.1178



29.5851, 44.3910, 58.7454



45.6862, 44.3910, 101.1212



# Rectangle

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



57.9519, 44.3910, 39.2321



49.0025, 44.3910, 19.8339



29.5851, 44.3910, 58.7454



36.0443, 44.3910, 95.9733

# Sweetspot

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



57.9531, 44.3932, 39.2329



81.1053, 78.9364, 83.2086



63.8089, 46.0700, 100.1370



16.9046, 16.2105, 16.9631



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.



57.9531, 44.3932, 39.2329



53.5131, 37.8929, 30.4169



63.6015, 57.6808, 34.9784



18.1111, 18.0278, 19.2023



21.7387, 11.1848, 2.0086



2.1462, 1.1008, 0.3512



# Inverse Universe

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



57.9531, 44.3932, 39.2329



53.5131, 37.8929, 30.4169



54.6802, 62.8813, 103.8631



18.1111, 18.0278, 19.2023



21.7387, 11.1848, 2.0086

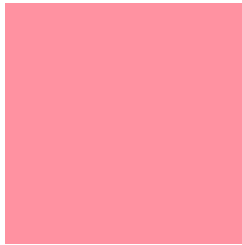


2.1462, 1.1008, 0.3512



# Previews

## White Background



This preview shows how the XYZ color 57.9519, 44.3910, 39.2321 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 57.9519, 44.3910, 39.2321 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 57.9519, 44.3910, 39.2321**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.9519, 44.3910, 39.2321.



This preview shows how white text looks on a background with the XYZ color 57.9519, 44.3910,



# 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

57.9519, 44.3910, 39.2321

### Protanopia

42.8141, 44.4824, 48.4489

### Deuteranopia

45.4669, 44.6359, 38.1175



## Tritanopia

57.7595, 44.5618, 37.4553

# Trichromacy



## Original Color

57.9519, 44.3910, 39.2321



## Protanomaly

47.0950, 43.6609, 44.9749



## Deuteranomaly

49.3929, 44.1926, 38.2745



## Tritanomaly

57.8453, 44.5961, 37.9069

# Monochromacy



## Original Color

57.9519, 44.3910, 39.2321



## Achromatopsia

43.3819, 45.6411, 49.7032



## Achromatomaly

47.2776, 44.2878, 45.5918

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.9519, 44.3910, 39.2321 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, 146, 161)` looks like.

```
.text, #text, p{  
    color:rgb(255, 146, 161)  
}
```

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, 146, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 146, 161) }
```

## Border

The CSS property to change the border of an element to XYZ 57.9519, 44.3910, 39.2321 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, 146, 161) }
```



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

```
.border{ border-color:rgb(255, 146, 161) }
```

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

Here you see how a box with a 4 pixel rgb(255, 146, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 146, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 146, 161);  
box-shadow:4px 4px 4px 4px rgb(255, 146,  
161) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.9519, 44.3910, 39.2321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 146, 161) }
```

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

```
.background{ background-color: rgb(255,  
146, 161) }
```

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