

Converting Colors

XYZ(58.6649, 39.4440, 59.1169)

Have a look what the booklet for
XYZ(58.6649, 39.4440, 59.1169)
contains.

XYZ(58.6249, 39.3492, 59.1489)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(58.6249, 39.3492,
59.1489)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7AC8
RGB	255, 122, 200
RGB Percent	100%, 48%, 78%
CMY	0.0000, 0.5215, 0.2157
CMYK	0.00, 0.52, 0.22, 0.00
HSL	325°, 100%, 74%
HSV	325°, 52%, 100%
XYZ	58.6249, 39.3492, 59.1489
YIQ	170.6590, 54.2300, 52.4540

Conversions

Conversions Part 2

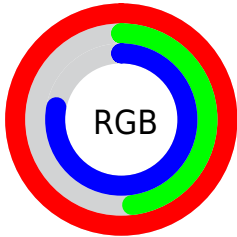
Format	Color
R_{YB}	255, 122, 200
Decimal	16743112
CIE _{Lab}	69.00, 59.22, -16.63
CIE _{LCh}	69, 61.513, 344.313
Yxy	39.3492, 0.3731, 0.2504
Android (android.graphics.Color)	4294933192 (0xFFFF7AC8)
YUV	170.6590, 14.4651, 73.9671
Hunter-Lab	62.7289, 57.0460, -11.9960

Details

The XYZ color **58.6249, 39.3492, 59.1489** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **51.7235, 78.8327, 54.0884**, and the grayscale version is **38.4498, 40.4521, 44.0524**.

A 20% lighter version of the original color is **75.2104, 60.3208, 102.2868**, and **29.6422, 17.5739, 29.0239** is the 20% darker color. If you saturate the color by 10%, you get **54.7041, 33.4125, 51.9697**, and if you desaturate by 10%, it is **63.4538, 46.9659, 67.0512**.

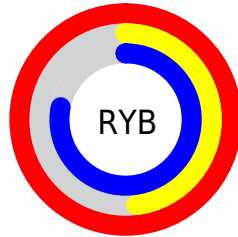
Distribution



Red (100%)

Green (48%)

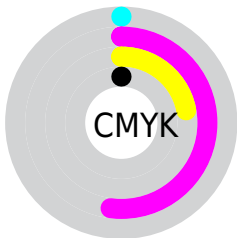
Blue (78%)



Red (100%)

Yellow (48%)

Blue (78%)

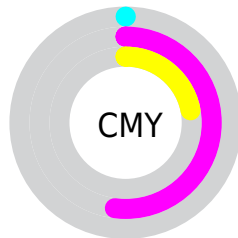


Cyan (0%)

Magenta (52%)

Yellow (22%)

Black (0%)



Cyan (0%)


Magenta (52%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.6249, 39.3492, 59.1489 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 58.6249, 39.3492, 59.1489 by changing the saturation by 10% instead.


 58.6249, 39.3492,
59.1489


 58.6249, 39.3492,
59.1489


409.4269,
343.3729, 439.1707


 42.5564, 27.0315,
42.3122


 101.9500, 74.1715,
105.1253

 29.7303, 17.5969,
29.0184


 129.9374, 97.4448,
135.1021

 19.7810, 10.6610,
18.8491


 162.6285,
125.1389, 170.2959

 12.3433, 5.8393,
11.3856

200.3887,
157.6379, 211.1254

 7.0518, 2.7476,
6.2094

243.5832,
195.3265, 258.0091

 3.5411, 1.0014,
2.9020

292.5775,

 1.4460, 0.0000,

238.5889, 311.3656

1.0448

347.7370,
287.8096, 371.6132

■ 0.2886, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 58.6249, 39.3492,
59.1489

■ 58.6249, 39.3492,
59.1489

■ 54.7041, 33.4125,
51.9697

■ 63.4538, 46.9659,
67.0512

■ 51.6212, 29.0184,
45.4803

■ 69.2483, 56.3752,
75.7025

■ 49.2997, 26.0165,
39.6472

■ 76.0642, 67.6860,
85.1298

■ 47.6462, 24.2229,
34.4302

■ 83.9521, 80.9970,
95.3577

■ 46.7084, 23.4474,
30.7263

■ 92.9590, 96.3999,
106.4094

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



52.1631, 39.3492, 94.1994



58.6249, 39.3492, 59.1489



58.7828, 39.3492, 30.8435

Triad

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



58.6249, 39.3492, 59.1489



32.9339, 39.3492, 8.9484



25.4760, 39.3492, 92.6615

Complementary

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



58.6249, 39.3492, 59.1489



51.7235, 78.8327, 54.0884

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.



21.9561, 39.3492, 57.6134



58.6249, 39.3492, 59.1489



25.7241, 39.3492, 14.6755

Square

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



58.6249, 39.3492, 59.1489



42.7281, 39.3492, 9.0667



22.0382, 39.3492, 29.8509



32.5348, 39.3492, 118.5976

Rectangle

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



58.6249, 39.3492, 59.1489



55.2163, 39.3492, 19.0612



22.0382, 39.3492, 29.8509



23.8992, 39.3492, 81.0187

Sweetspot

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



58.6258, 39.3510, 59.1496



80.7885, 75.6350, 91.3279



42.7355, 30.2784, 98.1997



16.9440, 15.6015, 19.0969



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.



58.6258, 39.3510, 59.1496



54.4118, 32.9830, 51.3944



52.5952, 36.9387, 27.3928



18.4563, 18.1658, 21.0199



24.4823, 12.2822, 16.4559



2.4382, 1.2176, 1.8887

Inverse Universe

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



58.6258, 39.3510, 59.1496



54.4118, 32.9830, 51.3944



59.7691, 82.0509, 96.4562



18.4563, 18.1658, 21.0199



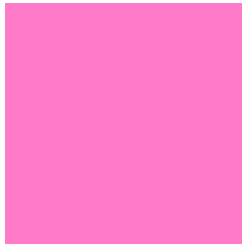
24.4823, 12.2822, 16.4559



2.4382, 1.2176, 1.8887

Previews

White Background



This preview shows how the XYZ color 58.6249, 39.3492, 59.1489 looks on a white background.

Color Contrast Check

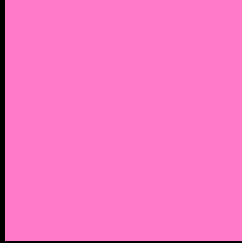
Large Text (above 18pt) WCAG AA × Fail

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 58.6249, 39.3492, 59.1489 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 58.6249, 39.3492, 59.1489

Background



This preview shows how black text looks on a background with the XYZ color 58.6249, 39.3492, 59.1489.



This preview shows how white text looks on a background with the XYZ color 58.6249, 39.3492,

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

58.6249, 39.3492, 59.1489

Protanopia

40.9619, 39.9477, 81.8957

Deuteranopia

40.3567, 39.3998, 55.9300



Tritanopia

52.9835, 39.3878, 31.1956

Trichromacy



Original Color

58.6249, 39.3492, 59.1489



Protanomaly

44.7239, 37.9919, 72.6861



Deuteranomaly

45.3399, 38.1769, 57.2038



Tritanomaly

54.8284, 39.3410, 39.8258

Monochromacy



Original Color

58.6249, 39.3492, 59.1489



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

44.1919, 38.7164, 49.3998

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.6249, 39.3492, 59.1489 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, 122, 200)` looks like.

```
.text, #text, p{  
    color:rgb(255, 122, 200)  
}
```

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, 122, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 122, 200) }
```

Border

The CSS property to change the border of an element to XYZ 58.6249, 39.3492, 59.1489 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, 122, 200) }
```


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

```
.border{ border-color:rgb(255, 122, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 122, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 122, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 122, 200);  
box-shadow:4px 4px 4px 4px rgb(255, 122,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 58.6249, 39.3492, 59.1489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 122, 200) }
```

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

```
.background{ background-color: rgb(255,  
122, 200) }
```

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