

# Converting Colors

XYZ(59.2353, 46.1904, 61.8968)

Have a look what the booklet for  
XYZ(59.2353, 46.1904, 61.8968)  
contains.

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# Color

**XYZ(59.3601, 46.2798,  
61.6814)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F499CA
RGB	244, 153, 202
RGB Percent	96%, 60%, 79%
CMY	0.0431, 0.4000, 0.2078
CMYK	0.00, 0.37, 0.17, 0.04
HSL	328°, 81%, 78%
HSV	328°, 37%, 96%
XYZ	59.3601, 46.2798, 61.6814
YIQ	185.7950, 38.5070, 34.5310

# Conversions

## Conversions Part 2

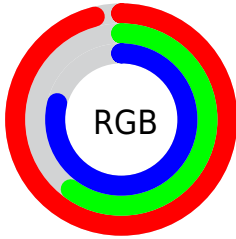
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	244, 153, 202
Decimal	16030154
CIE <sub>Lab</sub>	73.73, 40.63, -10.78
CIE <sub>LCh</sub>	74, 42.041, 345.136
Yxy	46.2798, 0.3548, 0.2766
Android (android.graphics.Color)	4294220234 (0xFFFF499CA)
YUV	185.7950, 7.9891, 51.0458
Hunter-Lab	68.0293, 36.7020, -6.1371

# Details

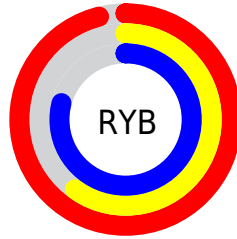
The XYZ color **59.3601, 46.2798, 61.6814** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **55.3399, 75.4151, 63.2730**, and the grayscale version is **46.5003, 48.9219, 53.2760**.

A 20% lighter version of the original color is **82.0905, 74.0809, 104.5802**, and **30.1522, 21.6916, 30.6147** is the 20% darker color. If you saturate the color by 10%, you get **54.4822, 38.5802, 53.7148**, and if you desaturate by 10%, it is **65.1546, 55.6556, 70.4346**.

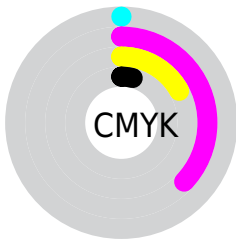
# Distribution



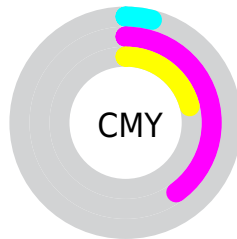
- Red (96%)
- Green (60%)
- Blue (79%)



- Red (96%)
- Yellow (60%)
- Blue (79%)



- Cyan (0%)
- Magenta (37%)
- Yellow (17%)
- Black (4%)




- Cyan (4%)
- Magenta (40%)
- Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.3601, 46.2798, 61.6814 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 59.3601, 46.2798, 61.6814 by changing the saturation by 10% instead.





 59.3601, 46.2798,  
61.6814


 59.3601, 46.2798,  
61.6814


412.1077,  
371.9324, 448.7435

 43.1506, 32.4667,  
44.3412

 103.0125, 84.6376,  
108.8321

 30.1983, 21.7182,  
30.5997


 131.1860,  
109.9510, 139.4796

 20.1380, 13.6500,  
20.0383


164.0783,  
139.8667, 175.4000

 12.6042, 7.8776,  
12.2385

202.0546,  
174.7690, 217.0117

 7.2317, 4.0167,  
6.7818

245.4804,  
215.0424, 264.7334

 3.6550, 1.6829,  
3.2497

294.7209,

 1.5089, 0.4126,

261.0711, 318.9836

1.2235

350.1416,  
313.2396, 380.1808

■ 0.3319, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 59.3601, 46.2798,  
61.6814

■ 59.3601, 46.2798,  
61.6814

■ 54.4822, 38.5802,  
53.7148

■ 65.1546, 55.6556,  
70.4346

■ 50.4645, 32.4493,  
46.5046

■ 71.9094, 66.7937,  
79.9975

■ 47.2508, 27.7773,  
40.0218

■ 79.6704, 79.7819,  
90.3954

■ 44.7757, 24.4370,  
34.2338

■ 88.4789, 94.7003,  
101.6514

■ 42.9628, 22.2792,  
29.1039

■ 91.1185, 97.9732,  
108.7160

■ 41.7132, 21.1098,  
24.5872

■ 41.4309, 20.8822,  
23.4547

# Harmonies

## Analogous

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



54.9584, 46.2798, 85.2824



59.3601, 46.2798, 61.6814



59.3386, 46.2798, 40.4070

# Triad

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



59.3601, 46.2798, 61.6814



40.3473, 46.2798, 20.2272



34.6245, 46.2798, 85.4782

# Complementary

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



59.3601, 46.2798, 61.6814



55.3399, 75.4151, 63.2730

# 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.



31.5426, 46.2798, 61.8970



59.3601, 46.2798, 61.6814



34.5835, 46.2798, 26.6109

# Square

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



59.3601, 46.2798, 61.6814



47.7710, 46.2798, 20.1997



31.5285, 46.2798, 40.5697



40.4094, 46.2798, 101.4416



# Rectangle

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



59.3601, 46.2798, 61.6814



56.7924, 46.2798, 30.2523



31.5285, 46.2798, 40.5697



33.2685, 46.2798, 77.9252

# Sweetspot

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



59.3615, 46.2820, 61.6823



84.7304, 82.5848, 95.5210



49.9577, 40.7793, 90.8266



17.8844, 17.2554, 20.1095



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.



59.3615, 46.2820, 61.6823



61.3196, 44.3553, 61.2288



54.8340, 44.4710, 37.8413



16.8722, 16.6317, 19.0738



22.5976, 11.3825, 13.1211



2.0380, 1.0212, 1.4264



# Inverse Universe

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



59.3615, 46.2820, 61.6823



61.3196, 44.3553, 61.2288



61.1356, 77.7333, 93.7929



16.8722, 16.6317, 19.0738



22.5976, 11.3825, 13.1211



2.0380, 1.0212, 1.4264



# Previews

## White Background



This preview shows how the XYZ color 59.3601, 46.2798, 61.6814 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

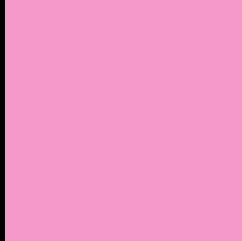
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.3601, 46.2798, 61.6814 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

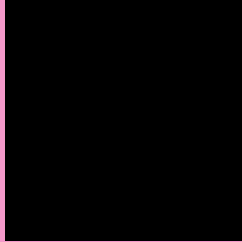
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 59.3601, 46.2798, 61.6814

## Background



This preview shows how black text looks on a background with the XYZ color 59.3601, 46.2798, 61.6814.



This preview shows how white text looks on a background with the XYZ color 59.3601, 46.2798,



# 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

59.3601, 46.2798, 61.6814

### Protanopia

46.4731, 46.6941, 74.2736

### Deuteranopia

47.6534, 46.7280, 59.9339



## Tritanopia

56.0245, 46.4373, 44.5386

# Trichromacy



## Original Color

59.3601, 46.2798, 61.6814



## Protanomaly

49.9382, 45.6957, 69.1389



## Deuteranomaly

51.1754, 45.9777, 60.2102



## Tritanomaly

57.1184, 46.3686, 50.1955

# Monochromacy



## Original Color

59.3601, 46.2798, 61.6814



## Achromatopsia

46.6715, 49.1021, 53.4722



## Achromatomaly

50.3826, 47.3433, 56.3519

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.3601, 46.2798, 61.6814 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(244, 153, 202)` looks like.

```
.text, #text, p{  
    color:rgb(244, 153, 202)  
}
```

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(244, 153, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 153, 202) }
```

## Border

The CSS property to change the border of an element to XYZ 59.3601, 46.2798, 61.6814 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(244, 153, 202) }
```



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

```
.border{ border-color:rgb(244, 153, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 153, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 153, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 153, 202);  
box-shadow:4px 4px 4px 4px rgb(244, 153,  
202) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.3601, 46.2798, 61.6814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 153, 202) }
```

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

```
.background{ background-color: rgb(244,  
153, 202) }
```

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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