

Converting Colors

XYZ(59.8330, 40.0610, 64.8064)

Have a look what the booklet for
XYZ(59.8330, 40.0610, 64.8064)
contains.

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Color

**XYZ(59.8316, 40.0294,
64.8946)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7BD1
RGB	255, 123, 209
RGB Percent	100%, 48%, 82%
CMY	0.0000, 0.5176, 0.1804
CMYK	0.00, 0.52, 0.18, 0.00
HSL	321°, 100%, 74%
HSV	321°, 52%, 100%
XYZ	59.8316, 40.0294, 64.8946
YIQ	172.2720, 51.0660, 54.7300

Conversions

Conversions Part 2

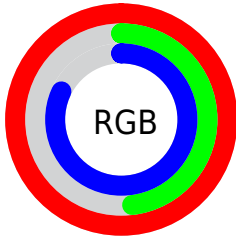
Format	Color
R _Y B	255, 123, 209
Decimal	16743377
CIE Lab	69.49, 60.02, -20.91
CIE LCh	69, 63.562, 340.790
Yxy	40.0294, 0.3632, 0.2430
Android (android.graphics.Color)	4294933457 (0xFFFF7BD1)
YUV	172.2720, 18.1069, 72.5525
Hunter-Lab	63.2688, 58.0823, -16.5254

Details

The XYZ color **59.8316, 40.0294, 64.8946** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **51.0914, 78.5963, 50.0171**, and the grayscale version is **39.2447, 41.2885, 44.9632**.

A 20% lighter version of the original color is **75.4101, 60.7202, 102.3534**, and **30.6048, 18.0832, 32.4492** is the 20% darker color. If you saturate the color by 10%, you get **56.0004, 34.0789, 58.3398**, and if you desaturate by 10%, it is **64.5498, 47.6554, 72.0487**.

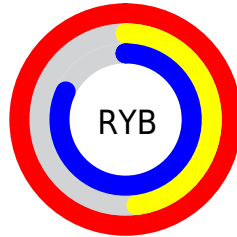
Distribution



Red (100%)

Green (48%)

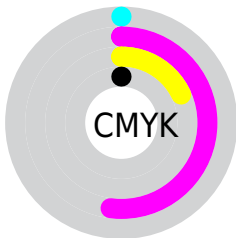
Blue (82%)



Red (100%)

Yellow (48%)

Blue (82%)

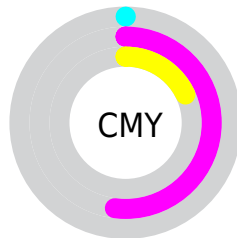


Cyan (0%)

Magenta (52%)

Yellow (18%)

Black (0%)



Cyan (0%)


Magenta (52%)


Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.8316, 40.0294, 64.8946 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 59.8316, 40.0294, 64.8946 by changing the saturation by 10% instead.


 59.8316, 40.0294,
64.8946

 59.8316, 40.0294,
64.8946


413.8215,
346.2475, 460.7089


 43.5319, 27.5615,
46.9248

 103.6931, 75.2083,
113.5101

 30.4990, 17.9953,
32.6223


 131.9855, 98.6880,
144.9930

 20.3676, 10.9466,
21.5685


 165.0062,
126.6071, 181.8172

 12.7723, 6.0310,
13.3449

203.1206,
159.3501, 224.4015

 7.3479, 2.8639,
7.5330

246.6939,
197.3012, 273.1642

 3.7289, 1.0611,
3.7141

296.0916,

 1.5499, 0.0000,

240.8448, 328.5240

1.4699

351.6790,
290.3655, 390.8994

■ 0.3594, 0.0000,
0.1953

■ 0.0000, 0.0000,
0.0000

■ 59.8316, 40.0294,
64.8946

■ 59.8316, 40.0294,
64.8946

■ 56.0004, 34.0789,
58.3398

■ 64.5498, 47.6554,
72.0487

■ 52.9869, 29.6673,
52.3551

■ 70.2114, 57.0685,
79.8245

■ 50.7157, 26.6454,
46.9108

■ 76.8714, 68.3771,
88.2453

■ 49.0951, 24.8313,
41.9712

■ 84.5796, 81.6793,
97.3324

■ 48.1351, 24.0181,
38.2393

■ 93.3823, 97.0664,
107.1056

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.



52.4127, 40.0294, 101.7298



59.8316, 40.0294, 64.8946



60.8490, 40.0294, 33.8584

Triad

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



59.8316, 40.0294, 64.8946



34.4786, 40.0294, 8.3464



25.0025, 40.0294, 91.7734

Complementary

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



59.8316, 40.0294, 64.8946



51.0914, 78.5963, 50.0171

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.



21.7985, 40.0294, 55.0165



59.8316, 40.0294, 64.8946



26.5795, 40.0294, 13.3161

Square

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



59.8316, 40.0294, 64.8946



44.8994, 40.0294, 9.0787



22.3187, 40.0294, 27.5405



31.9294, 40.0294, 121.4574

Rectangle

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



59.8316, 40.0294, 64.8946



57.5899, 40.0294, 20.6243



22.3187, 40.0294, 27.5405



23.5160, 40.0294, 79.2891

Sweetspot

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



59.8326, 40.0312, 64.8954



81.1817, 75.7922, 93.3985



41.0712, 29.6037, 98.1571



17.0379, 15.6391, 19.5916



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.



59.8326, 40.0312, 64.8954



55.9194, 33.9565, 58.1908



53.4352, 37.4722, 31.2070



18.5080, 18.1865, 21.2924



25.2249, 12.5793, 20.3668



2.5077, 1.2455, 2.2552

Inverse Universe

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



59.8326, 40.0312, 64.8954



55.9194, 33.9565, 58.1908



58.6376, 81.6147, 89.7544



18.5080, 18.1865, 21.2924



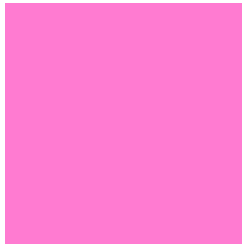
25.2249, 12.5793, 20.3668



2.5077, 1.2455, 2.2552

Previews

White Background



This preview shows how the XYZ color 59.8316, 40.0294, 64.8946 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 59.8316, 40.0294, 64.8946 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

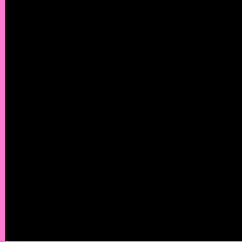
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.8316, 40.0294, 64.8946

Background



This preview shows how black text looks on a background with the XYZ color 59.8316, 40.0294, 64.8946.



This preview shows how white text looks on a background with the XYZ color 59.8316, 40.0294,

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

59.8316, 40.0294, 64.8946

Protanopia

42.0623, 40.6191, 89.6278

Deuteranopia

41.0915, 40.1946, 61.4697



Tritanopia

53.2790, 40.1376, 32.5430

Trichromacy



Original Color

59.8316, 40.0294, 64.8946



Protanomaly

45.7609, 38.6087, 79.9033



Deuteranomaly

46.2829, 38.7770, 62.8029



Tritanomaly

55.2906, 39.9140, 42.8203

Monochromacy



Original Color

59.8316, 40.0294, 64.8946



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

44.6697, 39.1705, 51.1053

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.8316, 40.0294, 64.8946 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, 123, 209)` looks like.

```
.text, #text, p{  
    color:rgb(255, 123, 209)  
}
```

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, 123, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 123, 209) }
```

Border

The CSS property to change the border of an element to XYZ 59.8316, 40.0294, 64.8946 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, 123, 209) }
```


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

```
.border{ border-color:rgb(255, 123, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 123, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 123, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 123, 209);  
box-shadow:4px 4px 4px 4px rgb(255, 123,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 59.8316, 40.0294, 64.8946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 123, 209) }
```

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

```
.background{ background-color: rgb(255,  
123, 209) }
```

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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