

Converting Colors

XYZ(58.2032, 40.8783, 51.6945)

Have a look what the booklet for
XYZ(58.2032, 40.8783, 51.6945)
contains.

XYZ(58.1923, 40.8131, 51.8244)	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(58.1923, 40.8131,
51.8244)**

Conversions

Conversions Part 1

Format	Color
Hex	FF82BB
RGB	255, 130, 187
RGB Percent	100%, 51%, 73%
CMY	0.0000, 0.4902, 0.2667
CMYK	0.00, 0.49, 0.27, 0.00
HSL	333°, 100%, 75%
HSV	333°, 49%, 100%
XYZ	58.1923, 40.8131, 51.8244
YIQ	173.8730, 56.2030, 44.2270

Conversions

Conversions Part 2

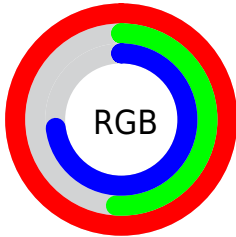
Format	Color
R_{YB}	255, 130, 187
Decimal	16745147
CIE _{Lab}	70.04, 53.68, -7.80
CIE _{LCh}	70, 54.248, 351.731
Yxy	40.8131, 0.3858, 0.2706
Android (android.graphics.Color)	4294935227 (0xFFFF82BB)
YUV	173.8730, 6.4716, 71.1484
Hunter-Lab	63.8851, 50.7948, -3.3772

Details

The XYZ color **58.1923, 40.8131, 51.8244** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **55.1607, 80.3439, 66.0304**, and the grayscale version is **40.1158, 42.2049, 45.9611**.

A 20% lighter version of the original color is **74.9766, 62.8489, 92.9734**, and **29.3248, 18.3555, 24.5516** is the 20% darker color. If you saturate the color by 10%, you get **53.7968, 34.2851, 43.3826**, and if you desaturate by 10%, it is **63.5736, 49.0829, 61.3036**.

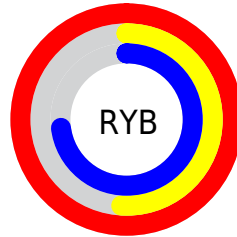
Distribution



Red (100%)

Green (51%)

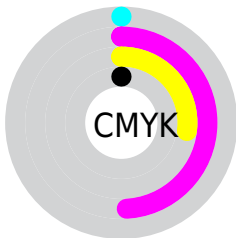
Blue (73%)



Red (100%)

Yellow (51%)

Blue (73%)

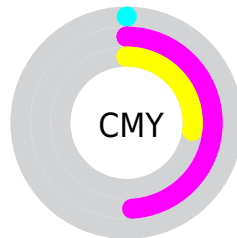


Cyan (0%)

Magenta (49%)

Yellow (27%)

Black (0%)



Cyan (0%)


Magenta (49%)


Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.1923, 40.8131, 51.8244 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 58.1923, 40.8131, 51.8244 by changing the saturation by 10% instead.

 58.1923, 40.8131,
51.8244


 58.1923, 40.8131,
51.8244


407.8444,
349.5389, 410.6960


 42.2071, 28.1731,
36.4838


 101.3242, 76.4001,
94.2962

 29.4553, 18.4562,
24.5155


 129.2016,
100.1158, 122.2644

 19.5715, 11.2780,
15.5007


 161.7739,
128.2923, 155.2791

 12.1904, 6.2541,
9.0210

199.4062,
161.3139, 193.7585

 6.9466, 3.0002,
4.6579

242.4641,
199.5649, 238.1214

 3.4748, 1.1318,
1.9928

291.3129,

 1.4095, 0.0050,

243.4298, 288.7863

0.5508

346.3179,
293.2930, 346.1716

■ 0.2630, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 58.1923, 40.8131,
51.8244

■ 58.1923, 40.8131,
51.8244

■ 53.7968, 34.2851,
43.3826

■ 63.5736, 49.0829,
61.3036

■ 50.3167, 29.3651,
35.9334

■ 69.9984, 59.2039,
71.8572

■ 47.6768, 25.9089,
29.4313

■ 77.5232, 71.2830,
83.5230

■ 45.7869, 23.7434,
23.8243

■ 86.1995, 85.4175,
96.3358

■ 44.5157, 22.6138, 95.0500, 100.0000,
19.0456 108.9000

■ 44.4084, 22.5273,
18.6143

Harmonies

Analogous

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



53.7491, 40.8131, 81.9852



58.1923, 40.8131, 51.8244



56.8493, 40.8131, 28.7223

Triad

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



58.1923, 40.8131, 51.8244



32.8244, 40.8131, 12.7946



29.1754, 40.8131, 94.7517

Complementary

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



58.1923, 40.8131, 51.8244



55.1607, 80.3439, 66.0304

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.



25.0307, 40.8131, 65.0422



58.1923, 40.8131, 51.8244



26.9035, 40.8131, 20.5676

Square

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



58.1923, 40.8131, 51.8244



41.2914, 40.8131, 11.5477



24.2674, 40.8131, 37.7900



36.3948, 40.8131, 112.2437

Rectangle

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



58.1923, 40.8131, 51.8244



52.9315, 40.8131, 19.2466



24.2674, 40.8131, 37.7900



27.4249, 40.8131, 85.4269

Sweetspot

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



58.1933, 40.8150, 51.8252



80.8672, 76.7084, 88.5300



48.9732, 35.0129, 98.7847



16.9283, 15.8004, 18.3816



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.



58.1933, 40.8150, 51.8252



53.8034, 34.2947, 43.3960



53.8188, 39.9701, 26.0000



18.3538, 18.1248, 20.4803



23.2775, 11.8003, 10.1117



2.3207, 1.1707, 1.2705

Inverse Universe

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



58.1933, 40.8150, 51.8252



53.8034, 34.2947, 43.3960



61.7022, 80.8568, 106.9626



18.3538, 18.1248, 20.4803



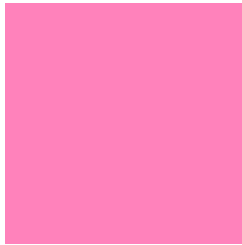
23.2775, 11.8003, 10.1117



2.3207, 1.1707, 1.2705

Previews

White Background



This preview shows how the XYZ color 58.1923, 40.8131, 51.8244 looks on a white background.

Color Contrast Check

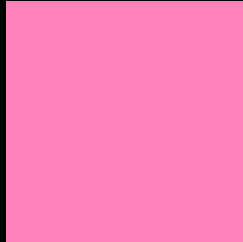
Large Text (above 18pt) WCAG AA × Fail

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 58.1923, 40.8131, 51.8244 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

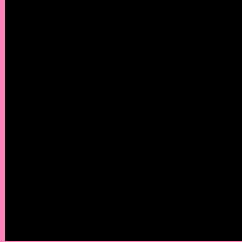
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.1923, 40.8131, 51.8244

Background



This preview shows how black text looks on a background with the XYZ color 58.1923, 40.8131, 51.8244.



This preview shows how white text looks on a background with the XYZ color 58.1923, 40.8131,

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

58.1923, 40.8131, 51.8244

Protanopia

41.0829, 41.1306, 68.7245

Deuteranopia

41.9264, 41.1640, 49.4517



Tritanopia

54.2174, 40.8243, 33.0393

Trichromacy



Original Color

58.1923, 40.8131, 51.8244



Protanomaly

45.1261, 39.4044, 62.3542



Deuteranomaly

46.6812, 40.2317, 50.1049



Tritanomaly

55.3304, 40.6320, 39.1089

Monochromacy



Original Color

58.1923, 40.8131, 51.8244



Achromatopsia

40.2316, 42.3268, 46.0938



Achromatomaly

44.9921, 40.4049, 48.0754

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.1923, 40.8131, 51.8244 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, 130, 187)` looks like.

```
.text, #text, p{  
    color:rgb(255, 130, 187)  
}
```

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, 130, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 130, 187) }
```

Border

The CSS property to change the border of an element to XYZ 58.1923, 40.8131, 51.8244 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, 130, 187) }
```


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

```
.border{ border-color:rgb(255, 130, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 130, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 130, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 130, 187);  
box-shadow:4px 4px 4px 4px rgb(255, 130,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 58.1923, 40.8131, 51.8244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 130, 187) }
```

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

```
.background{ background-color: rgb(255,  
130, 187) }
```

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