

Converting Colors

XYZ(50.4680, 31.0470, 31.7317)

Have a look what the booklet for
XYZ(50.4680, 31.0470, 31.7317)
contains.

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Color

**XYZ(50.4920, 31.0842,
31.7724)**

Conversions

Conversions Part 1

Format	Color
Hex	FF5C95
RGB	255, 92, 149
RGB Percent	100%, 36%, 58%
CMY	0.0000, 0.6392, 0.4157
CMYK	0.00, 0.64, 0.42, 0.00
HSL	339°, 100%, 68%
HSV	339°, 64%, 100%
XYZ	50.4920, 31.0842, 31.7724
YIQ	147.2350, 78.8510, 52.2830

Conversions

Conversions Part 2

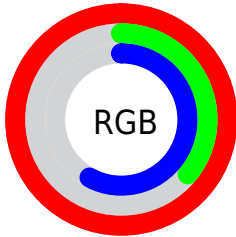
Format	Color
R _Y B	255, 92, 149
Decimal	16735381
CIE Lab	62.58, 66.25, 2.82
CIE LCh	63, 66.306, 2.441
Yxy	31.0842, 0.4455, 0.2742
Android (android.graphics.Color)	4294925461 (0xFFFF5C95)
YUV	147.2350, 0.8701, 94.5099
Hunter-Lab	55.7532, 64.0876, 5.2393

Details

The XYZ color **50.4920, 31.0842, 31.7724** is a light color, and the websafe version is hex **FF6699**. The color can be described as light muted rose. A complement of this color would be **50.3686, 77.8734, 65.8078**, and the grayscale version is **27.8055, 29.2535, 31.8571**.

A 20% lighter version of the original color is **62.9258, 47.3845, 62.3295**, and **24.5508, 12.8511, 12.9909** is the 20% darker color. If you saturate the color by 10%, you get **47.4116, 26.8936, 24.6718**, and if you desaturate by 10%, it is **54.5057, 36.8396, 40.1148**.

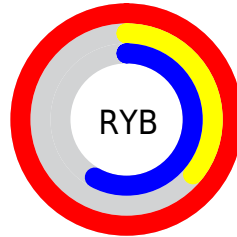
Distribution



Red (100%)

Green (36%)

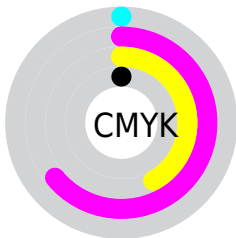
Blue (58%)



Red (100%)

Yellow (36%)

Blue (58%)

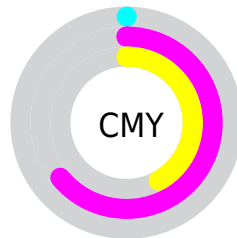


Cyan (0%)

Magenta (64%)

Yellow (42%)

Black (0%)



Cyan (0%)


Magenta (64%)


Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.4920, 31.0842, 31.7724 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 50.4920, 31.0842, 31.7724 by changing the saturation by 10% instead.


 50.4920, 31.0842,
31.7724


 50.4920, 31.0842,
31.7724


379.0071,
306.9260, 324.5419


 36.0239, 20.6630,
20.9243

 90.0909, 61.3726,
63.5479


 24.6228, 12.8779,
12.8780


 115.9524, 82.0086,
85.3124

 15.9235, 7.3445,
7.2149


 146.3423,
106.8183, 111.5527

 9.5605, 3.6785,
3.5164

 181.6262,
136.1860, 142.6875

 5.1686, 1.4954,
1.3640

222.1692,
170.4963, 179.1353

 2.3823, 0.2855,
0.1134

268.3368,

 0.8363, 0.0000,

210.1335, 221.3146

0.0000

320.4943,
255.4819, 269.6439

■ 0.0000, 0.0000,
0.0000

■ 50.4920, 31.0842,
31.7724

■ 50.4920, 31.0842,
31.7724

■ 47.4116, 26.8936,
24.6718

■ 54.5057, 36.8396,
40.1148

■ 45.1760, 24.1036,
18.7436

■ 59.5248, 44.2921,
49.7590

■ 43.6822, 22.5219,
13.9119

■ 65.6169, 53.5657,
60.7626

■ 43.0500, 21.9840,
11.4615

■ 72.8428, 64.7713,
73.1790

■ 81.2586, 78.0109,
87.0585

90.9167, 93.3791,
102.4486

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.



47.7515, 31.0842, 62.4350



50.4920, 31.0842, 31.7724



46.7407, 31.0842, 13.5742

Triad

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



50.4920, 31.0842, 31.7724



21.1799, 31.0842, 6.8444



22.2220, 31.0842, 99.7796

Complementary

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



50.4920, 31.0842, 31.7724



50.3686, 77.8734, 65.8078

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.



17.1871, 31.0842, 68.1138



50.4920, 31.0842, 31.7724



16.6772, 31.0842, 15.6675

Square

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



50.4920, 31.0842, 31.7724



28.8116, 31.0842, 4.5169



15.3785, 31.0842, 36.0067



30.2899, 31.0842, 111.7268

Rectangle

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



50.4920, 31.0842, 31.7724



41.4339, 31.0842, 7.7591



15.3785, 31.0842, 36.0067



20.1796, 31.0842, 90.4989

Sweetspot

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



50.4928, 31.0859, 31.7729



76.8295, 71.0221, 79.8189



45.1544, 26.8754, 97.4153



15.9408, 14.4105, 16.2486



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.



50.4928, 31.0859, 31.7729



46.6368, 25.8924, 22.7230



49.4705, 34.6295, 14.2042



18.2716, 18.0920, 20.0475



22.5581, 11.5125, 6.3233



2.2458, 1.1407, 0.8757

Inverse Universe

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



50.4928, 31.0859, 31.7729



46.6368, 25.8924, 22.7230



50.9151, 66.3968, 104.7401



18.2716, 18.0920, 20.0475



22.5581, 11.5125, 6.3233



2.2458, 1.1407, 0.8757

Previews

White Background



This preview shows how the XYZ color 50.4920, 31.0842, 31.7724 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 50.4920, 31.0842, 31.7724 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 50.4920, 31.0842, 31.7724

Background



This preview shows how black text looks on a background with the XYZ color 50.4920, 31.0842, 31.7724.



This preview shows how white text looks on a background with the XYZ color 50.4920, 31.0842,

31.7724.

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

50.4920, 31.0842, 31.7724

Protanopia

31.0597, 31.2027, 49.7331

Deuteranopia

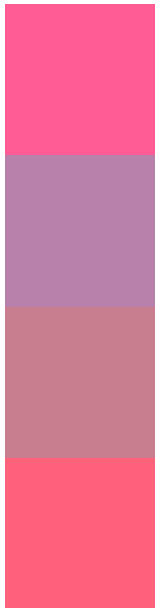
31.6642, 31.0269, 29.5192



Tritanopia

47.4524, 31.0643, 17.4049

Trichromacy



Original Color

50.4920, 31.0842, 31.7724

Protanomaly

34.9681, 28.8311, 42.2500

Deuteranomaly

36.5823, 29.3528, 30.1231

Tritanomaly

48.3885, 31.0232, 21.8501

Monochromacy



Original Color

50.4920, 31.0842, 31.7724

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

33.1844, 27.7560, 31.6254

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.4920, 31.0842, 31.7724 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, 92, 149)` looks like.

```
.text, #text, p{  
    color:rgb(255, 92, 149)  
}
```

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, 92, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 92, 149) }
```

Border

The CSS property to change the border of an element to XYZ 50.4920, 31.0842, 31.7724 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, 92, 149) }
```


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

```
.border{ border-color:rgb(255, 92, 149) }
```

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

Here you see how a box with a 4 pixel rgb(255, 92, 149) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 92, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 92, 149);  
box-shadow:4px 4px 4px 4px rgb(255, 92,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 50.4920, 31.0842, 31.7724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 92, 149) }
```

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

```
.background{ background-color: rgb(255, 92,  
149) }
```

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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