

Converting Colors

XYZ(88.9435, 50.5113, 73.6966)

Have a look what the booklet for
XYZ(88.9435, 50.5113, 73.6966)
contains.

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Color

**XYZ(58.4740, 34.8462,
72.0507)**

Conversions

Conversions Part 1

Format	Color
Hex	FF60DD
RGB	255, 96, 221
RGB Percent	100%, 38%, 87%
CMY	0.0000, 0.6235, 0.1333
CMYK	0.00, 0.62, 0.13, 0.00
HSL	313°, 100%, 69%
HSV	313°, 62%, 100%
XYZ	58.4740, 34.8462, 72.0507
YIQ	157.7910, 54.6390, 72.5830

Conversions

Conversions Part 2

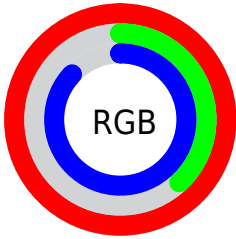
Format	Color
R _{YB}	255, 96, 221
Decimal	16736477
CIE _{Lab}	65.63, 73.40, -33.54
CIE _{LCh}	66, 80.704, 335.440
Yxy	34.8462, 0.3536, 0.2107
Android (android.graphics.Color)	4294926557 (0xFFFF60DD)
YUV	157.7910, 31.1620, 85.2523
Hunter-Lab	59.0307, 73.5130, -31.0458

Details

The XYZ color **58.4740, 34.8462, 72.0507** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **44.6145, 75.6191, 33.3663**, and the grayscale version is **32.2524, 33.9320, 36.9519**.

A 20% lighter version of the original color is **71.0113, 51.9227, 100.8871**, and **29.7362, 15.0505, 37.4142** is the 20% darker color. If you saturate the color by 10%, you get **55.7983, 30.6387, 67.6325**, and if you desaturate by 10%, it is **61.9291, 40.5745, 76.8459**.

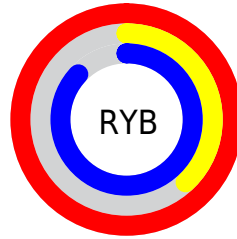
Distribution



Red (100%)

Green (38%)

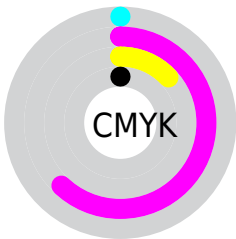
Blue (87%)



Red (100%)

Yellow (38%)

Blue (87%)

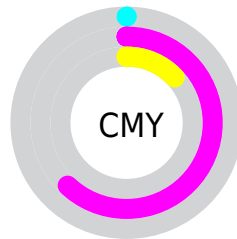


Cyan (0%)

Magenta (62%)

Yellow (13%)

Black (0%)



Cyan (0%)


Magenta (62%)


Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.4740, 34.8462, 72.0507 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 58.4740, 34.8462, 72.0507 by changing the saturation by 10% instead.


 58.4740, 34.8462,
72.0507


 58.4740, 34.8462,
72.0507

408.8753,
323.8889, 486.7003


 42.4346, 23.5444,
52.7130

 101.7318, 67.2474,
123.8370

 29.6343, 14.9960,
37.1876


 129.6809, 89.1157,
157.1227

 19.7079, 8.8166,
25.0558


 162.3306,
115.2749, 195.8948

 12.2899, 4.6217,
15.8992

 200.0462,
146.1094, 240.5718

 7.0150, 2.0271,
9.2993

243.1931,
182.0037, 291.5724

 3.5179, 0.6231,
4.8374

292.1367,

 1.4332, 0.0000,

223.3421, 349.3149

2.0951

347.2423,
270.5091, 414.2181

■ 0.2797, 0.0000,
0.6129

■ 0.0000, 0.0000,
0.0000

■ 58.4740, 34.8462,
72.0507

■ 58.4740, 34.8462,
72.0507

■ 55.7983, 30.6387,
67.6325

■ 61.9291, 40.5745,
76.8459

■ 53.8233, 27.7953,
63.5628

■ 66.2272, 47.9509,
82.0393

■ 52.4578, 26.1336,
59.8105

■ 71.4281, 57.0943,
87.6522

■ 51.7203, 25.4521,
57.1187

■ 77.5853, 68.1116,
93.7034

84.7482, 81.1011,
100.2106

92.9626, 96.1541,
107.1899

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.



48.1709, 34.8462, 119.8314



58.4740, 34.8462, 72.0507



61.3830, 34.8462, 32.0840

Triad

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



58.4740, 34.8462, 72.0507



31.0063, 34.8462, 2.9988



17.8060, 34.8462, 89.7678

Complementary

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



58.4740, 34.8462, 72.0507



44.6145, 75.6191, 33.3663

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.



15.2186, 34.8462, 44.4720



58.4740, 34.8462, 72.0507



21.5849, 34.8462, 5.7391

Square

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



58.4740, 34.8462, 72.0507



43.5248, 34.8462, 4.1555



16.4153, 34.8462, 16.7646



24.5219, 34.8462, 133.6514

Rectangle

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



58.4740, 34.8462, 72.0507



58.2581, 34.8462, 16.2430



16.4153, 34.8462, 16.7646



16.5082, 34.8462, 73.4532

Sweetspot

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



58.4748, 34.8477, 72.0514



79.8704, 72.2385, 95.8316



31.1066, 20.1614, 96.8598



16.6764, 14.7048, 20.1223



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.



58.4748, 34.8477, 72.0514



55.2100, 29.7589, 66.5211



50.4352, 31.6319, 29.7151



18.6165, 18.2299, 21.8638



27.0822, 13.3222, 30.1472



2.6764, 1.3129, 3.1433

Inverse Universe

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



58.4748, 34.8477, 72.0514



55.2100, 29.7589, 66.5211



51.8842, 78.5270, 71.6482



18.6165, 18.2299, 21.8638



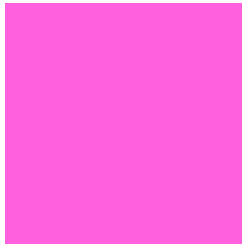
27.0822, 13.3222, 30.1472



2.6764, 1.3129, 3.1433

Previews

White Background



This preview shows how the XYZ color 58.4740, 34.8462, 72.0507 looks on a white background.

Color Contrast Check

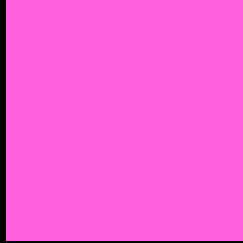
Large Text (above 18pt) WCAG AA × Fail

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 58.4740, 34.8462, 72.0507 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

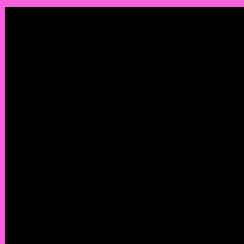
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.4740, 34.8462, 72.0507

Background



This preview shows how black text looks on a background with the XYZ color 58.4740, 34.8462, 72.0507.

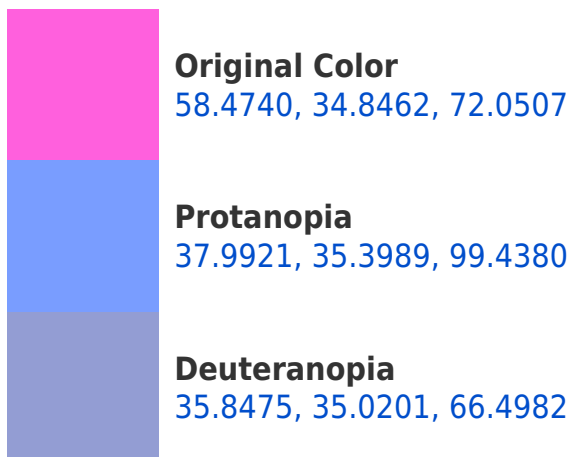


This preview shows how white text looks on a background with the XYZ color 58.4740, 34.8462,

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





Tritanopia

48.8059, 34.8526, 24.9237

Trichromacy



Original Color

58.4740, 34.8462, 72.0507



Protanomaly

41.4192, 32.3451, 88.8542



Deuteranomaly

41.1794, 32.6733, 68.4262



Tritanomaly

51.3827, 34.3367, 38.1019

Monochromacy



Original Color

58.4740, 34.8462, 72.0507



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

38.9968, 32.0016, 47.8376

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.4740, 34.8462, 72.0507 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, 96, 221)` looks like.

```
.text, #text, p{  
    color:rgb(255, 96, 221)  
}
```

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, 96, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 96, 221) }
```

Border

The CSS property to change the border of an element to XYZ 58.4740, 34.8462, 72.0507 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, 96, 221) }
```


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

```
.border{ border-color:rgb(255, 96, 221) }
```

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

Here you see how a box with a 4 pixel rgb(255, 96, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 96, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 96, 221);  
box-shadow:4px 4px 4px 4px rgb(255, 96,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 58.4740, 34.8462, 72.0507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 96, 221) }
```

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

```
.background{ background-color: rgb(255, 96,  
221) }
```

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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