Converting Colors

XYZ(58.6260, 35.1404, 89.8987)

Have a look what the booklet for XYZ(58.6260, 35.1404, 89.8987) contains.

Color

XYZ(58.6948, 35.1194, 90.0714)

Conversions

Conversions Part 1

Format	Color
Hex	F564F5
RGB	245, 100, 245
RGB Percent	96%, 39%, 96%
CMY	0.0392, 0.6078, 0.0392
CMYK	0.00, 0.59, 0.00, 0.04
HSL	300°, 88%, 68%
HSV	300°, 59%, 96%
XYZ	58.6948, 35.1194, 90.0714
YIQ	159.8850, 39.8750, 75.8350

Conversions

Conversions Part 2

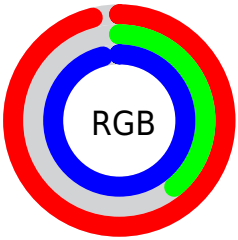
Format	Color
RYB	245, 100, 245
Decimal	16082165
CIELab	65.84, 73.02, -46.64
CIELCh	66, 86.644, 327.432
Yxy	35.1194, 0.3192, 0.1910
Android (android.graphics.Color)	4294272245 (0xFFF564F5)
YUV	159.8850, 41.9617, 74.6459
Hunter-Lab	59.2616, 73.0848, -48.6314

Details

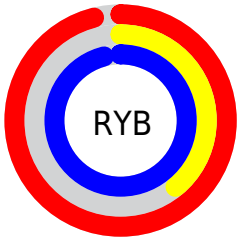
The XYZ color 58.6948, 35.1194, 90.0714 is a light color, and the websafe version is hex FF66FF. A complement of this color would be 40.2098, 68.9357, 23.2452, and the grayscale version is 33.1623, 34.8894, 37.9945.

A 20% lighter version of the original color is 71.5169, 52.9337, 101.0556, and 29.6567, 15.0892, 48.9264 is the 20% darker color. If you saturate the color by 10%, you get 56.6888, 31.1065, 89.4029, and if you desaturate by 10%, it is 61.4096, 40.5480, 90.9768.

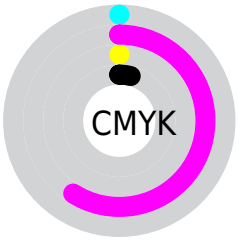
Distribution



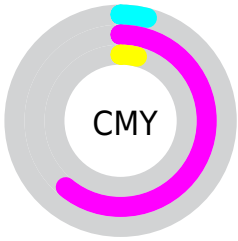
- Red (96%)
- Green (39%)
- Blue (96%)



- Red (96%)
- Yellow (39%)
- Blue (96%)



- Cyan (0%)
- Magenta (59%)
- Yellow (0%)
- Black (4%)



- Cyan (4%)
- Magenta (61%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.6948, 35.1194, 90.0714 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 58.6948, 35.1194, 90.0714 by changing the saturation by 10% instead.

58.6948, 35.1194, 90.0714

58.6948, 35.1194, 90.0714

409.6822, 325.0950, 548.8392

42.6129, 23.7549, 67.4658

102.0511, 67.6707, 149.3740

29.7747, 15.1519, 48.9993

130.0563, 89.6262, 186.9080

19.8149, 8.9260, 34.2533

162.7665, 115.8809, 230.2553

12.3680, 4.6930, 22.8093

200.5473, 146.8191, 279.8344

7.0688, 2.0683, 14.2488

243.7639, 182.8252, 336.0637

3.5519, 0.6467, 8.1532

292.7816,

1.4519, 0.0000,

224.2837, 399.3620

347.9660, 271.5788, 470.1476

4.1040

0.2927, 0.0000, 1.6825

0.0000, 0.0000, 0.3487

58.6948, 35.1194, 90.0714

58.6948, 35.1194, 90.0714

56.6888, 31.1065, 89.4029

61.4096, 40.5480, 90.9768

55.3223, 28.3736, 88.9473

64.8869, 47.5025, 92.1360

54.5189, 26.7668, 88.6794

69.1794, 56.0874, 93.5669

54.1600, 26.0489, 88.5596

74.3341, 66.3969, 95.2853

54.1382, 26.0053, 88.5523

80.3947, 78.5179, 97.3056

87.4015, 92.5316, 99.6413

89.8985, 97.5254, 100.4738

89.8985, 97.5255, 100.4739

89.8985, 97.5255, 100.4740

Harmonies

Analogous

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

46.0417, 35.1194, 141.0221

58.6948, 35.1194, 90.0714

64.4731, 35.1194, 41.4827

Triad

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

58.6948, 35.1194, 90.0714

34.4941, 35.1194, 2.2091

15.9628, 35.1194, 80.7365

Complementary

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

58.6948, 35.1194, 90.0714

40.2098, 68.9357, 23.2452

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.

14.3447, 35.1194, 35.1691

58.6948, 35.1194, 90.0714

23.2825, 35.1194, 3.6021

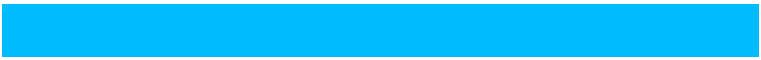
Square

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

58.6948, 35.1194, 90.0714

48.4475, 35.1194, 4.2958

16.6463, 35.1194, 11.4733



21.8134, 35.1194, 133.6220

Rectangle

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

58.6948, 35.1194, 90.0714

62.7746, 35.1194, 20.7806

16.6463, 35.1194, 11.4733

14.9831, 35.1194, 63.4611

Sweetspot

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

58.6961, 35.1210, 90.0721

82.1150, 74.1300, 104.5881

26.2957, 18.4180, 88.5566

17.1951, 15.1051, 22.2592

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.

58.6961, 35.1210, 90.0721

61.7352, 33.3708, 97.7941

49.7095, 31.5263, 42.7493

17.2137, 16.7683, 20.8719

29.1649, 14.0094, 47.7043

2.5633, 1.2313, 4.1927

Inverse Universe

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

58.6961, 35.1210, 90.0721

61.7352, 33.3708, 97.7941

45.4041, 71.0135, 50.5980

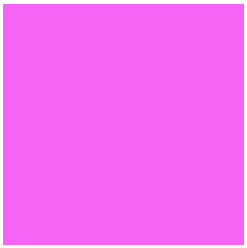
17.2137, 16.7683, 20.8719

29.1649, 14.0094, 47.7043

2.5633, 1.2313, 4.1927

Previews

White Background

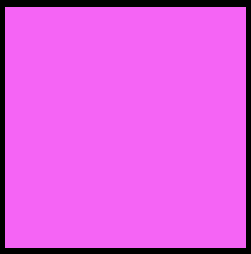


This preview shows how the XYZ color 58.6948, 35.1194, 90.0714 looks on a white background.

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



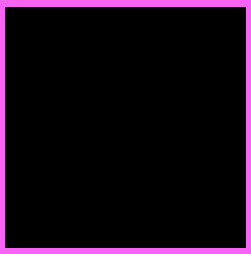
This preview shows how the XYZ color 58.6948, 35.1194, 90.0714 looks on a black background.

Color Contrast Check

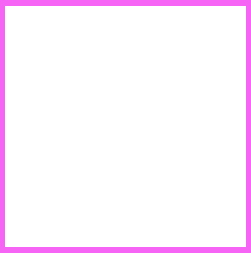
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the Color Contrast Checker.

XYZ 58.6948, 35.1194, 90.0714 Background



This preview shows how black text looks on a background with the XYZ color 58.6948, 35.1194, 90.0714.



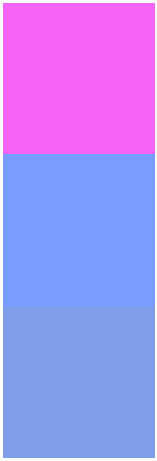
This preview shows how white text looks on a background with the XYZ color 58.6948, 35.1194,

90.0714.

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



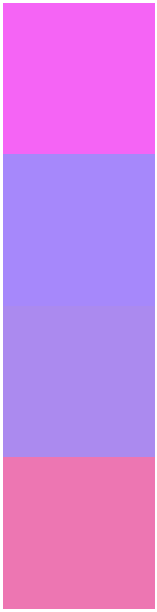
Original Color
58.6948, 35.1194, 90.0714

Protanopia
37.9921, 35.3989, 99.4380

Deuteranopia
36.2956, 35.3836, 83.5140

Tritanopia
45.7892, 34.7204, 28.7145

Trichromacy



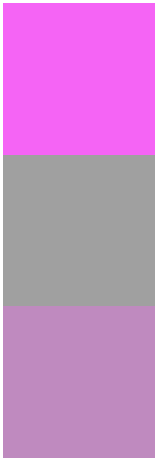
Original Color
58.6948, 35.1194, 90.0714

Protanomaly
41.9426, 32.6803, 95.3641

Deuteranomaly
41.4631, 33.0669, 85.8586

Tritanomaly
49.4394, 34.1757, 46.1103

Monochromacy



Original Color
58.6948, 35.1194, 90.0714

Achromatopsia
33.4132, 35.1533, 38.2819

Achromatomaly
39.9783, 33.0149, 53.5556

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.6948, 35.1194, 90.0714 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(245, 100, 245) looks like.

```
.text, #text, p{
    color:rgb(245, 100, 245)
}
```

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(245, 100, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 100, 245) }
```

Border

The CSS property to change the border of an element to XYZ 58.6948, 35.1194, 90.0714 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(245, 100, 245) }
```

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

```
.border{ border-color:rgb(245, 100, 245) }
```

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

Here you see how a box with a 4 pixel rgb(245, 100, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(245, 100, 245); -webkit-box-shadow:4px 4px 4px 4px rgb(245, 100, 245); box-shadow:4px 4px 4px 4px rgb(245, 100, 245) }
```

Background

The CSS property to change the background color of an element to XYZ 58.6948, 35.1194, 90.0714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(245, 100, 245) }
```

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

```
.background{ background-color:rgb(245,
100, 245) }
```

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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