

Converting Colors

XYZ(96.5580, 57.5330, 92.7178)

Have a look what the booklet for
XYZ(96.5580, 57.5330, 92.7178)
contains.

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Color

**XYZ(64.1999, 40.8094,
90.8795)**

Conversions

Conversions Part 1

Format	Color
Hex	FF76F5
RGB	255, 118, 245
RGB Percent	100%, 46%, 96%
CMY	0.0000, 0.5372, 0.0392
CMYK	0.00, 0.54, 0.04, 0.00
HSL	304°, 100%, 73%
HSV	304°, 54%, 100%
XYZ	64.1999, 40.8094, 90.8795
YIQ	173.4410, 40.8850, 68.5410

Conversions

Conversions Part 2

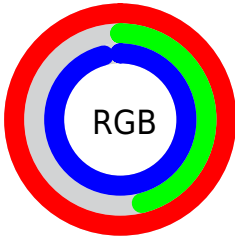
Format	Color
R_{YB}	255, 118, 245
Decimal	16742133
CIE _{Lab}	70.04, 67.83, -39.96
CIE _{LCh}	70, 78.724, 329.498
Yxy	40.8094, 0.3277, 0.2083
Android (android.graphics.Color)	4294932213 (0xFFFF76F5)
YUV	173.4410, 35.2786, 71.5272
Hunter-Lab	63.8822, 67.5937, -39.6290

Details

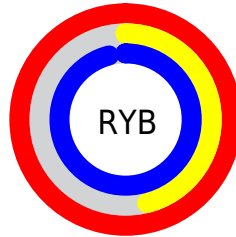
The XYZ color **64.1999, 40.8094, 90.8795** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **47.1287, 76.9307, 32.7892**, and the grayscale version is **39.7576, 41.8281, 45.5508**.

A 20% lighter version of the original color is **74.6200, 59.1399, 102.0900**, and **33.1467, 18.3609, 49.3739** is the 20% darker color. If you saturate the color by 10%, you get **61.3099, 35.4818, 88.5217**, and if you desaturate by 10%, it is **67.9058, 47.7642, 93.5244**.

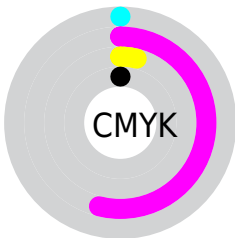
Distribution



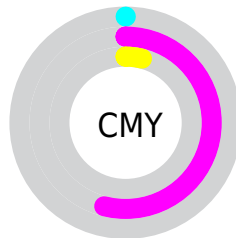
- Red (100%)
- Green (46%)
- Blue (96%)



- Red (100%)
- Yellow (46%)
- Blue (96%)



- Cyan (0%)
- Magenta (54%)
- Yellow (4%)
- Black (0%)





- Cyan (0%)
- Magenta (54%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.1999, 40.8094, 90.8795 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 64.1999, 40.8094, 90.8795 by changing the saturation by 10% instead.


 64.1999, 40.8094,
90.8795


 64.1999, 40.8094,
90.8795


429.5019,
349.5234, 551.5314

 47.0749, 28.1702,
68.1325

 109.9709, 76.3945,
150.5056

 33.3031, 18.4540,
49.5382


 139.3476,
100.1091, 188.2219

 22.5191, 11.2764,
34.6780


 173.5389,
128.2844, 231.7649

 14.3575, 6.2531,
23.1334

212.9102,
161.3046, 281.5533

 8.4531, 2.9996,
14.4858

257.8267,
199.5542, 338.0056

 4.4405, 1.1315,
8.3167

308.6540,

 1.9542, 0.0047,

243.4176, 401.5404

4.2076

365.7573,
293.2792, 472.5762

■ 0.6080, 0.0000,
1.7399

■ 0.0000, 0.0000,
0.3879

■ 64.1999, 40.8094,
90.8795

■ 64.1999, 40.8094,
90.8795

■ 61.3099, 35.4818,
88.5217

■ 67.9058, 47.7642,
93.5244

■ 59.1663, 31.6426,
86.4263

■ 72.4849, 56.4606,
96.4740

■ 57.6922, 29.1378,
84.5681

■ 77.9918, 67.0082,
99.7470

■ 56.7928, 27.7777,
82.9154

■ 84.4763, 79.5063,
103.3601

■ 56.4367, 27.3387,
81.9546

■ 91.9844, 94.0470,
107.3287

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.



52.2659, 40.8094, 138.8213



64.1999, 40.8094, 90.8795



69.1012, 40.8094, 45.0572

Triad

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



64.1999, 40.8094, 90.8795



39.0049, 40.8094, 4.5942



21.0168, 40.8094, 89.1607

Complementary

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



64.1999, 40.8094, 90.8795



47.1287, 76.9307, 32.7892

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.



18.9604, 40.8094, 43.8176



64.1999, 40.8094, 90.8795



27.8527, 40.8094, 6.9240

Square

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



64.1999, 40.8094, 90.8795



52.7245, 40.8094, 7.1050



21.1610, 40.8094, 17.3319



27.5532, 40.8094, 137.5009

Rectangle

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



64.1999, 40.8094, 90.8795



67.0418, 40.8094, 24.7585



21.1610, 40.8094, 17.3319



19.8524, 40.8094, 72.4747

Sweetspot

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



64.2007, 40.8110, 90.8803



82.9114, 76.4841, 102.5067



33.3023, 24.7011, 97.6203



17.4533, 15.8053, 21.7789



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.



64.2007, 40.8110, 90.8803



61.2408, 35.3561, 88.4603



55.6919, 37.4075, 46.0738



18.7321, 18.2761, 22.4722



29.5136, 14.2947, 42.9505



2.8901, 1.3984, 4.2684

Inverse Universe

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



64.2007, 40.8110, 90.8803



61.2408, 35.3561, 88.4603



53.1545, 79.3410, 64.5204



18.7321, 18.2761, 22.4722



29.5136, 14.2947, 42.9505



2.8901, 1.3984, 4.2684

Previews

White Background



This preview shows how the XYZ color 64.1999, 40.8094, 90.8795 looks on a white background.

Color Contrast Check

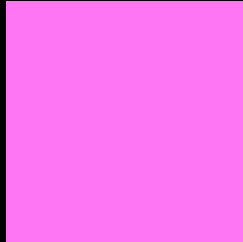
Large Text (above 18pt) WCAG AA × Fail

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 64.1999, 40.8094, 90.8795 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

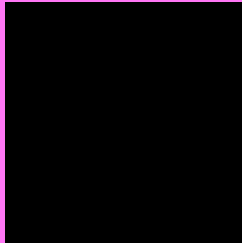
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.1999, 40.8094, 90.8795

Background



This preview shows how black text looks on a background with the XYZ color 64.1999, 40.8094, 90.8795.



This preview shows how white text looks on a background with the XYZ color 64.1999, 40.8094,

90.8795.

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

64.1999, 40.8094, 90.8795

Protanopia

43.2225, 41.2587, 100.2934

Deuteranopia

42.0908, 41.0114, 85.0544



Tritanopia

52.5006, 40.5498, 34.7656

Trichromacy



Original Color

64.1999, 40.8094, 90.8795



Protanomaly

47.6103, 38.7228, 96.2317



Deuteranomaly

47.4726, 38.8635, 86.6607



Tritanomaly

55.9619, 40.2767, 51.2790

Monochromacy



Original Color

64.1999, 40.8094, 90.8795



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

46.3286, 39.6025, 59.2351

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.1999, 40.8094, 90.8795 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, 118, 245)` looks like.

```
.text, #text, p{  
    color:rgb(255, 118, 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(255, 118, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 118, 245) }
```

Border

The CSS property to change the border of an element to XYZ 64.1999, 40.8094, 90.8795 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, 118, 245) }
```


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

```
.border{ border-color:rgb(255, 118, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 118, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 118, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 118, 245);  
box-shadow:4px 4px 4px 4px rgb(255, 118,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 64.1999, 40.8094, 90.8795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 118, 245) }
```

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

```
.background{ background-color: rgb(255,  
118, 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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