

Converting Colors

XYZ(75.0917, 46.4195, 92.0165)

Have a look what the booklet for
XYZ(75.0917, 46.4195, 92.0165)
contains.

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Color

**XYZ(64.3530, 40.8707,
91.6858)**

Conversions

Conversions Part 1

Format	Color
Hex	FF76F6
RGB	255, 118, 246
RGB Percent	100%, 46%, 96%
CMY	0.0000, 0.5372, 0.0353
CMYK	0.00, 0.54, 0.04, 0.00
HSL	304°, 100%, 73%
HSV	304°, 54%, 100%
XYZ	64.3530, 40.8707, 91.6858
YIQ	173.5550, 40.5640, 68.8520

Conversions

Conversions Part 2

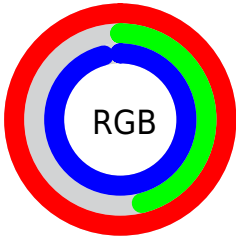
Format	Color
R _{YB}	255, 118, 246
Decimal	16742134
CIE _{Lab}	70.09, 67.99, -40.44
CIE _{LCh}	70, 79.109, 329.258
Yxy	40.8707, 0.3268, 0.2076
Android (android.graphics.Color)	4294932214 (0xFFFF76F6)
YUV	173.5550, 35.7154, 71.4273
Hunter-Lab	63.9302, 67.8027, -40.2799

Details

The XYZ color **64.3530, 40.8707, 91.6858** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **47.0633, 76.9045, 32.4443**, and the grayscale version is **39.8138, 41.8872, 45.6152**.

A 20% lighter version of the original color is **74.6200, 59.1399, 102.0900**, and **33.2549, 18.4042, 49.9437** is the 20% darker color. If you saturate the color by 10%, you get **61.4898, 35.5538, 89.4690**, and if you desaturate by 10%, it is **68.0317, 47.8146, 94.1869**.

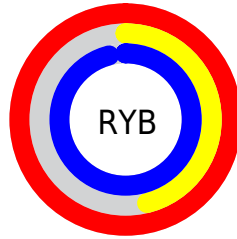
Distribution



Red (100%)

Green (46%)

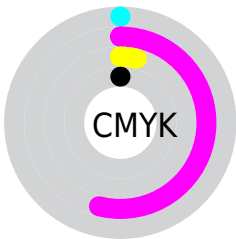
Blue (96%)



Red (100%)

Yellow (46%)

Blue (96%)

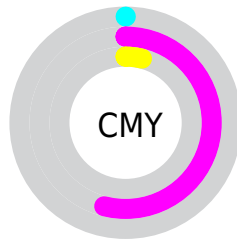


Cyan (0%)

Magenta (54%)

Yellow (4%)

Black (0%)



Cyan (0%)


Magenta (54%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.3530, 40.8707, 91.6858 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 64.3530, 40.8707, 91.6858 by changing the saturation by 10% instead.


 64.3530, 40.8707,
91.6858


 64.3530, 40.8707,
91.6858


430.0453,
349.7799, 554.2105


 47.1994, 28.2181,
68.7981

 110.1901, 76.4876,
151.6338

 33.4019, 18.4901,
50.0766


 139.6042,
100.2206, 189.5311

 22.5952, 11.3024,
35.1026

 173.8359,
128.4159, 233.2688

 14.4140, 6.2706,
23.4578

213.2506,
161.4578, 283.2653

 8.4928, 3.0103,
14.7234

258.2135,
199.7308, 339.9392

 4.4663, 1.1371,
8.4810

309.0900,

 1.9692, 0.0094,

243.6192, 403.7090

4.3121

366.2455,
293.5074, 474.9933

■ 0.6166, 0.0000,
1.7981

■ 0.0000, 0.0000,
0.4267

■ 64.3530, 40.8707,
91.6858

■ 64.3530, 40.8707,
91.6858

■ 61.4898, 35.5538,
89.4690

■ 68.0317, 47.8146,
94.1869

■ 59.3724, 31.7251,
87.5117

■ 72.5829, 56.4999,
96.9898

■ 57.9241, 29.2305,
85.7888

■ 78.0614, 67.0361,
100.1133

■ 57.0498, 27.8805,
84.2686

■ 84.5170, 79.5227,
103.5740

■ 56.7092, 27.4477,
83.3895

■ 91.9956, 94.0517,
107.3873

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.



52.2989, 40.8707, 139.9231



64.3530, 40.8707, 91.6858



69.3631, 40.8707, 45.4295

Triad

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



64.3530, 40.8707, 91.6858



39.1692, 40.8707, 4.5337



20.9518, 40.8707, 89.1246

Complementary

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



64.3530, 40.8707, 91.6858



47.0633, 76.9045, 32.4443

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.



18.9223, 40.8707, 43.5857



64.3530, 40.8707, 91.6858



27.9245, 40.8707, 6.8143

Square

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



64.3530, 40.8707, 91.6858



52.9816, 40.8707, 7.0816



21.1658, 40.8707, 17.1375



27.4795, 40.8707, 137.9538

Rectangle

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



64.3530, 40.8707, 91.6858



67.3399, 40.8707, 24.9162



21.1658, 40.8707, 17.1375



19.7948, 40.8707, 72.3376

Sweetspot

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



64.3539, 40.8723, 91.6866



82.9586, 76.5030, 102.7555



32.9657, 24.5276, 97.6046



17.4647, 15.8098, 21.8389



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.



64.3539, 40.8723, 91.6866



61.4214, 35.4283, 89.4114



55.9222, 37.4996, 47.2860



18.7381, 18.2786, 22.5040



29.6538, 14.3508, 43.6888



2.9022, 1.4033, 4.3324

Inverse Universe

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



64.3539, 40.8723, 91.6866



61.4214, 35.4283, 89.4114



52.8972, 79.2380, 63.1653



18.7381, 18.2786, 22.5040



29.6538, 14.3508, 43.6888



2.9022, 1.4033, 4.3324

Previews

White Background



This preview shows how the XYZ color 64.3530, 40.8707, 91.6858 looks on a white background.

Color Contrast Check

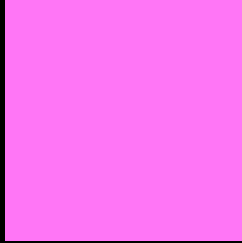
Large Text (above 18pt) WCAG AA × Fail

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 64.3530, 40.8707, 91.6858 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

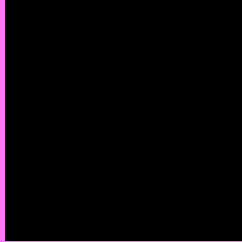
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.3530, 40.8707, 91.6858

Background



This preview shows how black text looks on a background with the XYZ color 64.3530, 40.8707, 91.6858.



This preview shows how white text looks on a background with the XYZ color 64.3530, 40.8707,

91.6858.

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

64.3530, 40.8707, 91.6858

Protanopia

43.2225, 41.2587, 100.2934

Deuteranopia

42.0517, 40.9744, 85.8132



Tritanopia

52.5006, 40.5498, 34.7656

Trichromacy



Original Color

64.3530, 40.8707, 91.6858



Protanomaly

47.7684, 38.7861, 97.0642



Deuteranomaly

47.3736, 38.7953, 87.4295



Tritanomaly

55.9619, 40.2767, 51.2790

Monochromacy



Original Color

64.3530, 40.8707, 91.6858



Achromatopsia

40.2316, 42.3268, 46.0938



Achromatomaly

46.6095, 39.9778, 59.9035

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.3530, 40.8707, 91.6858 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, 246)` looks like.

```
.text, #text, p{  
    color:rgb(255, 118, 246)  
}
```

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, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 118, 246) }
```

Border

The CSS property to change the border of an element to XYZ 64.3530, 40.8707, 91.6858 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, 246) }
```


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

```
.border{ border-color:rgb(255, 118, 246) }
```

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, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 118, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 118, 246);  
box-shadow:4px 4px 4px 4px rgb(255, 118,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 64.3530, 40.8707, 91.6858 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, 246) }
```

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

```
.background{ background-color: rgb(255,  
118, 246) }
```

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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