

Converting Colors

XYZ(65.0954, 40.0909, 98.9151)

Have a look what the booklet for
XYZ(65.0954, 40.0909, 98.9151)
contains.

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Color

**XYZ(65.0842, 40.0683,
98.9114)**

Conversions

Conversions Part 1

Format	Color
Hex	FF70FF
RGB	255, 112, 255
RGB Percent	100%, 44%, 100%
CMY	0.0000, 0.5608, 0.0000
CMYK	0.00, 0.56, 0.00, 0.00
HSL	300°, 100%, 72%
HSV	300°, 56%, 100%
XYZ	65.0842, 40.0683, 98.9114
YIQ	171.0590, 39.3250, 74.7890

Conversions

Conversions Part 2

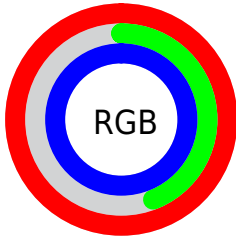
Format	Color
R _Y B	255, 112, 255
Decimal	16740607
CIE Lab	69.52, 72.09, -46.25
CIE LCh	70, 85.655, 327.317
Yxy	40.0683, 0.3189, 0.1964
Android (android.graphics.Color)	4294930687 (0xFFFF70FF)
YUV	171.0590, 41.3829, 73.6163
Hunter-Lab	63.2995, 72.7585, -48.3365

Details

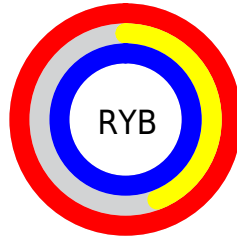
The XYZ color **65.0842, 40.0683, 98.9114** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **45.3679, 76.1351, 27.6355**, and the grayscale version is **38.5245, 40.5308, 44.1380**.

A 20% lighter version of the original color is **73.6647, 57.2295, 101.7716**, and **33.8825, 18.0470, 55.1237** is the 20% darker color. If you saturate the color by 10%, you get **62.6584, 35.2167, 98.1028**, and if you desaturate by 10%, it is **68.3078, 46.5156, 99.9859**.

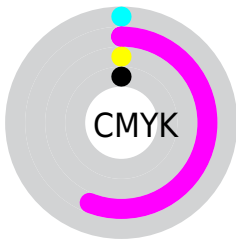
Distribution



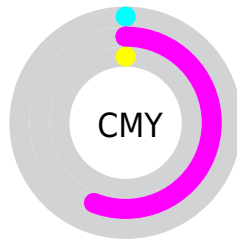
- Red (100%)
- Green (44%)
- Blue (100%)



- Red (100%)
- Yellow (44%)
- Blue (100%)



- Cyan (0%)
- Magenta (56%)
- Yellow (0%)
- Black (0%)





- Cyan (0%)
- Magenta (56%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.0842, 40.0683, 98.9114 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 65.0842, 40.0683, 98.9114 by changing the saturation by 10% instead.


 65.0842, 40.0683,
98.9114


 65.0842, 40.0683,
98.9114


432.6349,
346.4114, 577.9137


 47.7943, 27.5918,
74.7799

 111.2359, 75.2675,
161.6992

 33.8746, 18.0182,
54.9320


 140.8285, 98.7590,
201.1926

 22.9597, 10.9630,
38.9490

 175.2527,
126.6910, 246.6437

 14.6843, 6.0420,
26.4125

214.8738,
159.4478, 298.4710

 8.6830, 2.8706,
16.9040

260.0572,
197.4138, 357.0931

 4.5904, 1.0646,
10.0048

311.1683,

 2.0413, 0.0000,

240.9735, 422.9286

5.2965

368.5724,
290.5112, 496.3959

■ 0.6570, 0.0000,
2.3605

■ 0.0000, 0.0000,
0.7648

■ 65.0842, 40.0683,
98.9114

■ 65.0842, 40.0683,
98.9114

■ 62.6584, 35.2167,
98.1028

■ 68.3078, 46.5156,
99.9859

■ 60.9591, 31.8182,
97.5364

■ 72.3883, 54.6766,
101.3461

■ 59.9060, 29.7121,
97.1853

■ 77.3816, 64.6631,
103.0105

■ 59.3986, 28.6972,
97.0162

■ 83.3381, 76.5763,
104.9960

■ 59.2900, 28.4800,
96.9800

■ 90.3049, 90.5098,
107.3183

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.



51.6127, 40.0683, 152.0488



65.0842, 40.0683, 98.9114



71.2353, 40.0683, 47.2845

Triad

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



65.0842, 40.0683, 98.9114



39.3401, 40.0683, 3.2255



19.0305, 40.0683, 88.6492

Complementary

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



65.0842, 40.0683, 98.9114



45.3679, 76.1351, 27.6355

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.



17.2435, 40.0683, 40.1643



65.0842, 40.0683, 98.9114



27.1532, 40.0683, 4.9421

Square

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



65.0842, 40.0683, 98.9114



54.2939, 40.0683, 5.8230



19.8238, 40.0683, 14.1029



25.4713, 40.0683, 144.0131

Rectangle

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



65.0842, 40.0683, 98.9114



69.4674, 40.0683, 24.6835



19.8238, 40.0683, 14.1029



17.9452, 40.0683, 70.3985

Sweetspot

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



65.0849, 40.0697, 98.9116



82.7461, 75.3922, 104.7987



30.5277, 22.2549, 97.2944



17.4419, 15.5986, 22.3415



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.



65.0849, 40.0697, 98.9116



62.4720, 34.8440, 98.0407



55.6346, 36.2896, 49.1471



18.7928, 18.3004, 22.7918



30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340

Inverse Universe

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



65.0849, 40.0697, 98.9116



62.4720, 34.8440, 98.0407



51.0426, 78.4050, 57.5183



18.7928, 18.3004, 22.7918



30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340

Previews

White Background



This preview shows how the XYZ color 65.0842, 40.0683, 98.9114 looks on a white background.

Color Contrast Check

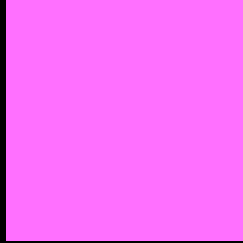
Large Text (above 18pt) WCAG AA × Fail

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 65.0842, 40.0683, 98.9114 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

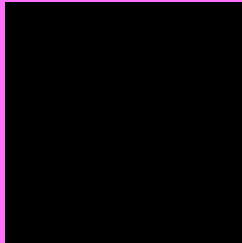
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 65.0842, 40.0683, 98.9114

Background



This preview shows how black text looks on a background with the XYZ color 65.0842, 40.0683, 98.9114.



This preview shows how white text looks on a background with the XYZ color 65.0842, 40.0683,

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

65.0842, 40.0683, 98.9114

Protanopia

42.3499, 40.2607, 100.1468

Deuteranopia

41.4846, 40.5440, 92.0255



Tritanopia

51.5011, 39.8354, 33.8288

Trichromacy



Original Color

65.0842, 40.0683, 98.9114



Protanomaly

47.5398, 37.9112, 99.4197



Deuteranomaly

46.9802, 37.9644, 94.4743

Tritanomaly

55.4175, 39.3703, 52.2553

Monochromacy



Original Color

65.0842, 40.0683, 98.9114



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

45.9241, 38.6335, 60.9137

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.0842, 40.0683, 98.9114 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, 112, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 112, 255)  
}
```

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, 112, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 112, 255) }
```

Border

The CSS property to change the border of an element to XYZ 65.0842, 40.0683, 98.9114 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, 112, 255) }
```


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

```
.border{ border-color:rgb(255, 112, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 112, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 112, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 112, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 112,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 65.0842, 40.0683, 98.9114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 112, 255) }
```

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

```
.background{ background-color: rgb(255,  
112, 255) }
```

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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