

Converting Colors

XYZ(65.3513, 40.6027, 99.0004)

Have a look what the booklet for
XYZ(65.3513, 40.6027, 99.0004)
contains.

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Color

**XYZ(65.3073, 40.5146,
98.9858)**

Conversions

Conversions Part 1

Format	Color
Hex	FF72FF
RGB	255, 114, 255
RGB Percent	100%, 45%, 100%
CMY	0.0000, 0.5529, 0.0000
CMYK	0.00, 0.55, 0.00, 0.00
HSL	300°, 100%, 72%
HSV	300°, 55%, 100%
XYZ	65.3073, 40.5146, 98.9858
YIQ	172.2330, 38.7750, 73.7430

Conversions

Conversions Part 2

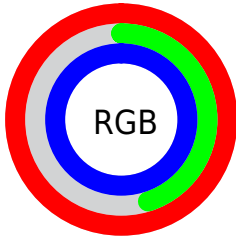
Format	Color
R _{YB}	255, 114, 255
Decimal	16741119
CIE _{Lab}	69.83, 71.23, -45.76
CIE _{LCh}	70, 84.663, 327.285
Y _{xy}	40.5146, 0.3189, 0.1978
Android (android.graphics.Color)	4294931199 (0xFFFF72FF)
YUV	172.2330, 40.8041, 72.5867
Hunter-Lab	63.6511, 71.7552, -47.6480

Details

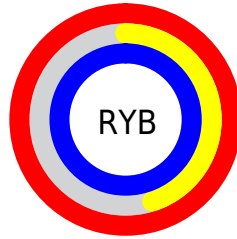
The XYZ color **65.3073, 40.5146, 98.9858** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **45.7379, 76.3129, 28.2407**, and the grayscale version is **39.1180, 41.1552, 44.8180**.

A 20% lighter version of the original color is **74.0425, 57.9850, 101.8975**, and **33.9718, 18.2255, 55.1534** is the 20% darker color. If you saturate the color by 10%, you get **62.8214, 35.5429, 98.1571**, and if you desaturate by 10%, it is **68.5961, 47.0922, 100.0820**.

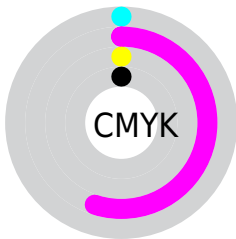
Distribution



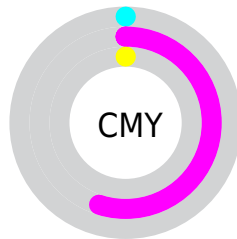
- Red (100%)
- Green (45%)
- Blue (100%)



- Red (100%)
- Yellow (45%)
- Blue (100%)



- Cyan (0%)
- Magenta (55%)
- Yellow (0%)
- Black (0%)





- Cyan (0%)
- Magenta (55%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.3073, 40.5146, 98.9858 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 65.3073, 40.5146, 98.9858 by changing the saturation by 10% instead.


 65.3073, 40.5146,
98.9858


 65.3073, 40.5146,
98.9858


433.4232,
348.2878, 578.1550

 47.9759, 27.9400,
74.8416

 111.5548, 75.9465,
161.8024

 34.0190, 18.2804,
54.9822


 141.2016, 99.5726,
201.3120

 23.0712, 11.1515,
38.9890

 175.6843,
127.6513, 246.7805

 14.7670, 6.1688,
26.4434

215.3682,
160.5670, 298.6264

 8.7413, 2.9480,
16.9269

260.6187,
198.7041, 357.2682

 4.6286, 1.1047,
10.0210

311.8012,

 2.0635, 0.0000,

242.4470, 423.1246

5.3071

369.2809,
292.1801, 496.6140

■ 0.6693, 0.0000,
2.3667

■ 0.0000, 0.0000,
0.7682

■ 65.3073, 40.5146,
98.9858

■ 65.3073, 40.5146,
98.9858

■ 62.8214, 35.5429,
98.1571

■ 68.5961, 47.0922,
100.0820

■ 61.0679, 32.0357,
97.5726

■ 72.7463, 55.3926,
101.4654

■ 59.9674, 29.8349,
97.2058

■ 77.8133, 65.5267,
103.1544

■ 59.4215, 28.7431,
97.0238

■ 83.8475, 77.5950,
105.1658

■ 59.2900, 28.4800,
96.9800

■ 90.8954, 91.6908,
107.5151

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.



51.9423, 40.5146, 151.4066



65.3073, 40.5146, 98.9858



71.4094, 40.5146, 47.7971

Triad

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



65.3073, 40.5146, 98.9858



39.7735, 40.5146, 3.4722



19.4679, 40.5146, 88.7184

Complementary

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



65.3073, 40.5146, 98.9858



45.7379, 76.3129, 28.2407

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.



17.6779, 40.5146, 40.6242



65.3073, 40.5146, 98.9858



27.6160, 40.5146, 5.2400

Square

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



65.3073, 40.5146, 98.9858



54.6349, 40.5146, 6.1551



20.2733, 40.5146, 14.5432



25.9148, 40.5146, 143.3938

Rectangle

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



65.3073, 40.5146, 98.9858



69.6665, 40.5146, 25.2250



20.2733, 40.5146, 14.5432



18.3798, 40.5146, 70.6499

Sweetspot

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



65.3080, 40.5161, 98.9860



82.7461, 75.3922, 104.7987



31.0083, 22.8339, 97.3808



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.



65.3080, 40.5161, 98.9860



62.6740, 35.2479, 98.1080



55.9626, 36.7779, 49.7737



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.



65.3080, 40.5161, 98.9860



62.6740, 35.2479, 98.1080



51.4048, 78.5797, 58.0825



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 65.3073, 40.5146, 98.9858 looks on a white background.

Color Contrast Check

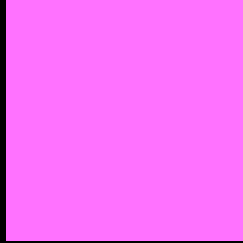
Large Text (above 18pt) WCAG AA × Fail

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 65.3073, 40.5146, 98.9858 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

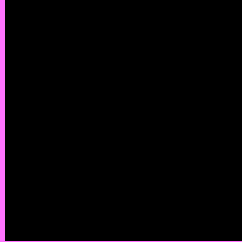
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 65.3073, 40.5146, 98.9858

Background



This preview shows how black text looks on a background with the XYZ color 65.3073, 40.5146, 98.9858.



This preview shows how white text looks on a background with the XYZ color 65.3073, 40.5146,

98.9858.

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

65.3073, 40.5146, 98.9858

Protanopia

42.8678, 40.8007, 100.2237

Deuteranopia

41.8247, 40.7193, 92.0414



Tritanopia

52.0729, 40.3388, 34.3198

Trichromacy



Original Color

65.3073, 40.5146, 98.9858



Protanomaly

47.9313, 38.3449, 99.4828



Deuteranomaly

47.3748, 38.4017, 94.5379

Tritanomaly

55.6594, 39.6809, 52.8697

Monochromacy



Original Color

65.3073, 40.5146, 98.9858



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

46.0844, 38.9540, 60.9671

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.3073, 40.5146, 98.9858 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, 114, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 114, 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, 114, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 114, 255) }
```

Border

The CSS property to change the border of an element to XYZ 65.3073, 40.5146, 98.9858 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, 114, 255) }
```


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

```
.border{ border-color:rgb(255, 114, 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, 114, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 114, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 114, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 114,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 65.3073, 40.5146, 98.9858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 114, 255) }
```

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

```
.background{ background-color: rgb(255,  
114, 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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