

Converting Colors

XYZ(80.2132, 49.3215, 99.1274)

Have a look what the booklet for
XYZ(80.2132, 49.3215, 99.1274)
contains.

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Color

**XYZ(65.8459, 41.8487,
98.3731)**

Conversions

Conversions Part 1

Format	Color
Hex	FF78FE
RGB	255, 120, 254
RGB Percent	100%, 47%, 100%
CMY	0.0000, 0.5294, 0.0039
CMYK	0.00, 0.53, 0.00, 0.00
HSL	300°, 100%, 74%
HSV	300°, 53%, 100%
XYZ	65.8459, 41.8487, 98.3731
YIQ	175.6410, 37.4460, 70.2940

Conversions

Conversions Part 2

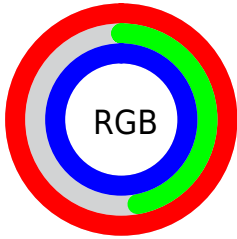
Format	Color
RYB	255, 120, 254
Decimal	16742654
CIELab	70.77, 68.43, -43.75
CIELCh	71, 81.216, 327.407
Yxy	41.8487, 0.3195, 0.2031
Android (android.graphics.Color)	4294932734 (0xFFFF78FE)
YUV	175.6410, 38.6310, 69.5978
Hunter-Lab	64.6906, 68.4794, -44.8772

Details

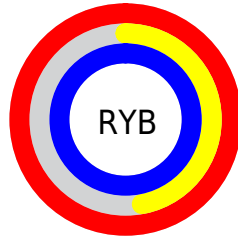
The XYZ color **65.8459, 41.8487, 98.3731** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **46.9581, 76.8941, 30.4580**, and the grayscale version is **40.8733, 43.0019, 46.8290**.

A 20% lighter version of the original color is **75.0121, 59.9243, 102.2207**, and **34.2525, 18.9708, 54.6798** is the 20% darker color. If you saturate the color by 10%, you get **63.1472, 36.4995, 97.3250**, and if you desaturate by 10%, it is **69.3627, 48.8338, 99.6951**.

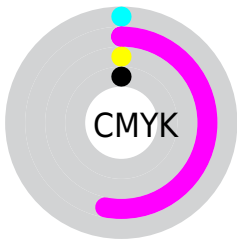
Distribution



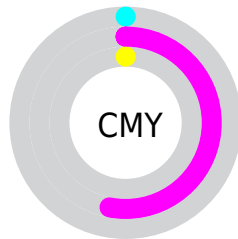
- Red (100%)
- Green (47%)
- Blue (100%)



- Red (100%)
- Yellow (47%)
- Blue (100%)



- Cyan (0%)
- Magenta (53%)
- Yellow (0%)
- Black (0%)





- Cyan (0%)
- Magenta (53%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.8459, 41.8487, 98.3731 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 65.8459, 41.8487, 98.3731 by changing the saturation by 10% instead.


 65.8459, 41.8487,
98.3731


 65.8459, 41.8487,
98.3731


435.3229,
353.8554, 576.1660


 48.4146, 28.9828,
74.3332

 112.3241, 77.9706,
160.9520

 34.3679, 19.0678,
54.5684


 142.1016,
101.9954, 200.3281

 23.3406, 11.7193,
38.6600


 176.7253,
130.5087, 245.6533

 14.9673, 6.5528,
26.1895

216.5605,
163.8947, 297.3463

 8.8826, 3.1841,
16.7385

261.9724,
202.5381, 355.8255

 4.7212, 1.2286,
9.8882

313.3266,

 2.1177, 0.0849,

246.8230, 421.5095

5.2203

370.9883,
297.1340, 494.8169

■ 0.6988, 0.0000,
2.3161

■ 0.0000, 0.0000,
0.7402

■ 65.8459, 41.8487,
98.3731

■ 65.8459, 41.8487,
98.3731

■ 63.1472, 36.4995,
97.3250

■ 69.3627, 48.8338,
99.6951

■ 61.1976, 32.6487,
96.5262

■ 73.7541, 57.5682,
101.3083

■ 59.9213, 30.1444,
95.9520

■ 79.0747, 68.1608,
103.2314

■ 59.2252, 28.8003,
95.5713

■ 85.3736, 80.7102,
105.4807

■ 58.9875, 28.3590,
95.3872

■ 92.6969, 95.3080,
108.0716

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.



52.9357, 41.8487, 148.3039



65.8459, 41.8487, 98.3731



71.6841, 41.8487, 49.0073

Triad

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



65.8459, 41.8487, 98.3731



40.9600, 41.8487, 4.3679



20.9213, 41.8487, 88.9739

Complementary

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



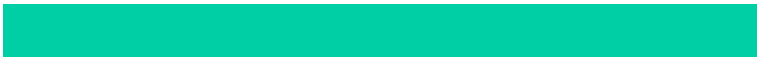
65.8459, 41.8487, 98.3731



46.9581, 76.8941, 30.4580

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.



19.0991, 41.8487, 42.2899



65.8459, 41.8487, 98.3731



29.0007, 41.8487, 6.3347

Square

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



65.8459, 41.8487, 98.3731



55.4311, 41.8487, 7.2793



21.6947, 41.8487, 16.1408



27.3865, 41.8487, 141.0505

Rectangle

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



65.8459, 41.8487, 98.3731



69.9797, 41.8487, 26.7757



21.6947, 41.8487, 16.1408



19.8194, 41.8487, 71.5676

Sweetspot

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



65.8467, 41.8503, 98.3739



83.3386, 76.6550, 104.7565



32.5138, 24.6480, 97.6516



17.5564, 15.8465, 22.3218



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.



65.8467, 41.8503, 98.3739



62.9059, 36.0221, 97.2288



56.9808, 38.3039, 51.6868



18.7866, 18.2979, 22.7593



30.8249, 14.8193, 49.8560



3.0031, 1.4436, 4.8638

Inverse Universe

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



65.8467, 41.8503, 98.3739



62.9059, 36.0221, 97.2288



52.5302, 79.1230, 59.8002



18.7866, 18.2979, 22.7593



30.8249, 14.8193, 49.8560



3.0031, 1.4436, 4.8638

Previews

White Background



This preview shows how the XYZ color 65.8459, 41.8487, 98.3731 looks on a white background.

Color Contrast Check

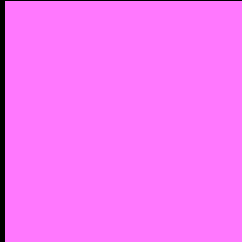
Large Text (above 18pt) WCAG AA × Fail

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 65.8459, 41.8487, 98.3731 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

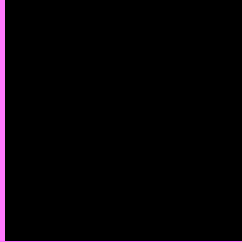
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 65.8459, 41.8487, 98.3731

Background



This preview shows how black text looks on a background with the XYZ color 65.8459, 41.8487, 98.3731.



This preview shows how white text looks on a background with the XYZ color 65.8459, 41.8487,

98.3731.

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

65.8459, 41.8487, 98.3731

Protanopia

44.1145, 42.2751, 100.4426

Deuteranopia

43.2666, 42.3007, 92.2707



Tritanopia

53.0883, 41.7058, 36.7045

Trichromacy



Original Color

65.8459, 41.8487, 98.3731



Protanomaly

49.0454, 39.8668, 99.7178



Deuteranomaly

48.5842, 39.9989, 93.9668

Tritanomaly

56.6764, 41.1882, 54.8321

Monochromacy



Original Color

65.8459, 41.8487, 98.3731



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

47.9644, 41.1157, 62.5349

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.8459, 41.8487, 98.3731 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, 120, 254)` looks like.

```
.text, #text, p{  
    color:rgb(255, 120, 254)  
}
```

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, 120, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 120, 254) }
```

Border

The CSS property to change the border of an element to XYZ 65.8459, 41.8487, 98.3731 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, 120, 254) }
```


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

```
.border{ border-color:rgb(255, 120, 254) }
```

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

Here you see how a box with a 4 pixel rgb(255, 120, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 120, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 120, 254);  
box-shadow:4px 4px 4px 4px rgb(255, 120,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 65.8459, 41.8487, 98.3731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 120, 254) }
```

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

```
.background{ background-color: rgb(255,  
120, 254) }
```

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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