

Converting Colors

XYZ(50.4715, 78.4689, 41.3025)

Have a look what the booklet for
XYZ(50.4715, 78.4689, 41.3025)
contains.

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Color

**XYZ(50.4709, 78.4678,
41.3399)**

Conversions

Conversions Part 1

Format	Color
Hex	82FF96
RGB	130, 255, 150
RGB Percent	51%, 100%, 59%
CMY	0.4902, 0.0000, 0.4118
CMYK	0.49, 0.00, 0.41, 0.00
HSL	130°, 100%, 75%
HSV	130°, 49%, 100%
XYZ	50.4709, 78.4678, 41.3399
YIQ	205.6550, -40.7950, -59.1550

Conversions

Conversions Part 2

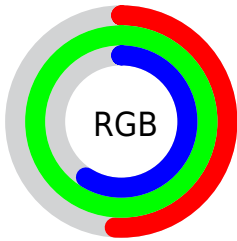
Format	Color
RYB	130, 238, 255
Decimal	8585110
CIELab	90.99, -56.29, 39.65
CIELCh	91, 68.849, 144.838
Yxy	78.4678, 0.2964, 0.4608
Android (android.graphics.Color)	4286775190 (0xFF82FF96)
YUV	205.6550, -27.4379, -66.3494
Hunter-Lab	88.5821, -53.3156, 34.3377

Details

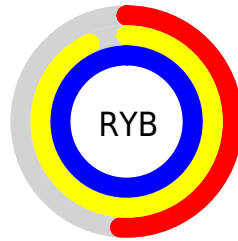
The XYZ color **50.4709, 78.4678, 41.3399** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **64.2179, 43.2236, 83.5542**, and the grayscale version is **58.6339, 61.6875, 67.1776**.

A 20% lighter version of the original color is **67.7657, 86.7466, 70.9297**, and **24.5548, 42.0433, 18.3763** is the 20% darker color. If you saturate the color by 10%, you get **45.4621, 76.0671, 32.9103**, and if you desaturate by 10%, it is **56.7650, 81.4947, 51.4778**.

Distribution



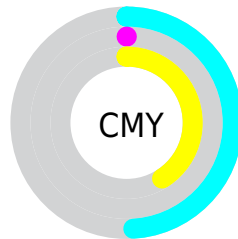
- Red (51%)
- Green (100%)
- Blue (59%)



- Red (51%)
- Yellow (93%)
- Blue (100%)



- Cyan (49%)
- Magenta (0%)
- Yellow (41%)
- Black (0%)





- Cyan (49%)
- Magenta (0%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.4709, 78.4678, 41.3399 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 50.4709, 78.4678, 41.3399 by changing the saturation by 10% instead.


 50.4709, 78.4678,
41.3399


 50.4709, 78.4678,
41.3399


378.9262,
489.7541, 367.4578


 36.0070, 58.4583,
28.2631


 90.0598, 131.2094,
78.4589

 24.6098, 42.1772,
18.2833


 115.9156,
164.7103, 103.3381

 15.9137, 29.2401,
10.9820


 146.2994,
203.4771, 132.9885

 9.5536, 19.2625,
5.9407

181.5766,
247.8943, 167.8287

 5.1640, 11.8601,
2.7409

222.1125,
298.3461, 208.2772

 2.3795, 6.6485,
0.9639


268.2725,


 0.8349, 3.2433,


355.2171, 254.7525


0.0000

320.4220,
418.8917, 307.6732


 0.0000, 1.2600,
0.0000


 0.0000, 0.1099,
0.0000


 50.4709, 78.4678,
41.3399


 50.4709, 78.4678,
41.3399


 45.4621, 76.0671,
32.9103


 56.7650, 81.4947,
51.4778


 41.6470, 74.2473,
26.0913

 64.4244, 85.1871,
63.4071

 38.9241, 72.9583,
20.7810

 73.5240, 89.5821,
77.2097

 37.1736, 72.1408,
16.8644

 84.1331, 94.7136,
92.9616

■ 36.2256, 71.7099, 95.0500, 100.0000,
14.2085 108.9000

■ 36.1568, 71.6787,
14.0097

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



61.4117, 78.4678, 24.7086



50.4709, 78.4678, 41.3399



46.0153, 78.4678, 77.1174

Triad

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



50.4709, 78.4678, 41.3399



71.6164, 78.4678, 220.5154



109.1863, 78.4678, 51.2248

Complementary

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



50.4709, 78.4678, 41.3399



64.2179, 43.2236, 83.5542

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.



113.0399, 78.4678, 94.3367



50.4709, 78.4678, 41.3399



89.5107, 78.4678, 204.9750

Square

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



50.4709, 78.4678, 41.3399



56.9516, 78.4678, 189.9349



105.3574, 78.4678, 153.2181



95.5186, 78.4678, 28.6667

Rectangle

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



50.4709, 78.4678, 41.3399



46.7280, 78.4678, 112.3527



105.3574, 78.4678, 153.2181



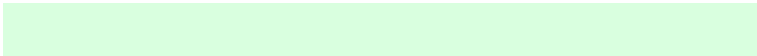
111.7538, 78.4678, 63.2066

Sweetspot

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



50.4714, 78.4680, 41.3412



77.6029, 91.5542, 83.3022



74.4645, 91.0075, 34.7610



16.1457, 19.3718, 17.1376



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

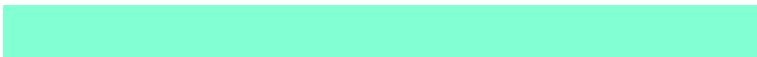
The Same Dimension uses a secret algorithm to generate beautiful new colors.



50.4714, 78.4680, 41.3412



45.4705, 76.0711, 32.9249



56.7554, 80.9816, 74.4324



17.8901, 20.2156, 19.7241



18.9275, 37.4676, 7.5035



1.8752, 3.6610, 0.9007

Inverse Universe

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



64.2179, 43.2236, 83.5542



60.6591, 37.0370, 79.4980



56.8385, 40.2718, 44.6946



18.6604, 18.2475, 22.0950



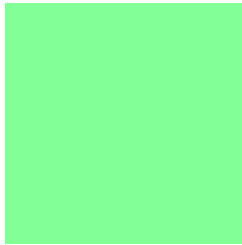
27.9507, 13.6696, 34.7205



2.7534, 1.3437, 3.5490

Previews

White Background



This preview shows how the XYZ color 50.4709, 78.4678, 41.3399 looks on a white background.

Color Contrast Check

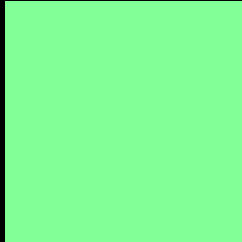
Large Text (above 18pt) WCAG AA × Fail

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 50.4709, 78.4678, 41.3399 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 50.4709, 78.4678, 41.3399

Background



This preview shows how black text looks on a background with the XYZ color 50.4709, 78.4678, 41.3399.

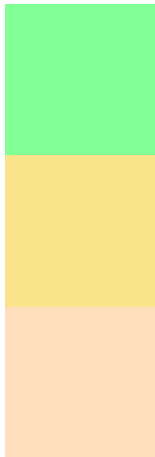


This preview shows how white text looks on a background with the XYZ color 50.4709, 78.4678,

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

50.4709, 78.4678, 41.3399

Protanopia

71.4705, 77.4906, 35.6164

Deuteranopia

76.6555, 77.2203, 59.5800



Tritanopia

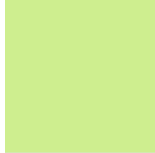
66.1501, 77.8372, 106.1454

Trichromacy



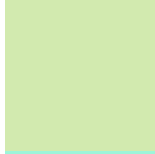
Original Color

50.4709, 78.4678, 41.3399



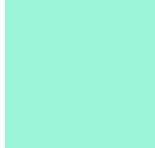
Protanomaly

60.9861, 76.2541, 37.4908



Deuteranomaly

63.7390, 75.6424, 51.7985



Tritanomaly

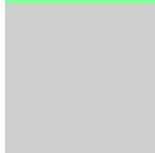
59.0814, 77.4827, 77.4874

Monochromacy



Original Color

50.4709, 78.4678, 41.3399



Achromatopsia

58.6655, 61.7207, 67.2138



Achromatomaly

53.8787, 66.3215, 56.4160

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.4709, 78.4678, 41.3399 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(130, 255, 150)` looks like.

```
.text, #text, p{  
    color:rgb(130, 255, 150)  
}
```

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(130, 255, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 255, 150) }
```

Border

The CSS property to change the border of an element to XYZ 50.4709, 78.4678, 41.3399 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(130, 255, 150) }
```


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

```
.border{ border-color:rgb(130, 255, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 255, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 255, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 255, 150);  
box-shadow:4px 4px 4px 4px rgb(130, 255,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 50.4709, 78.4678, 41.3399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 255, 150) }
```

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

```
.background{ background-color: rgb(130,  
255, 150) }
```

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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