

Converting Colors

XYZ(46.7664, 74.1732, 38.8726)

Have a look what the booklet for
XYZ(46.7664, 74.1732, 38.8726)
contains.

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Color

**XYZ(46.8451, 74.2981,
39.0661)**

Conversions

Conversions Part 1

Format	Color
Hex	76FA92
RGB	118, 250, 146
RGB Percent	46%, 98%, 57%
CMY	0.5373, 0.0196, 0.4274
CMYK	0.53, 0.00, 0.42, 0.02
HSL	133°, 93%, 72%
HSV	133°, 53%, 98%
XYZ	46.8451, 74.2981, 39.0661
YIQ	198.6760, -45.2880, -60.3280

Conversions

Conversions Part 2

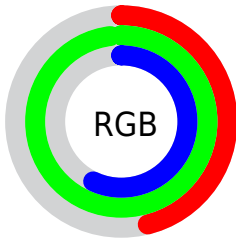
Format	Color
RYB	118, 227, 250
Decimal	7797394
CIELab	89.06, -57.91, 39.03
CIELCh	89, 69.830, 146.021
Yxy	74.2981, 0.2924, 0.4638
Android (android.graphics.Color)	4285987474 (0xFF76FA92)
YUV	198.6760, -25.9693, -70.7529
Hunter-Lab	86.1963, -53.8343, 33.4659

Details

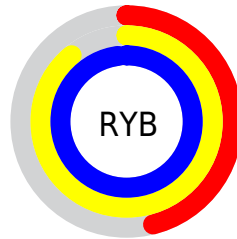
The XYZ color **46.8451, 74.2981, 39.0661** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **59.0898, 38.5561, 73.4371**, and the grayscale version is **54.2631, 57.0890, 62.1699**.

A 20% lighter version of the original color is **64.6627, 85.2020, 68.2959**, and **22.2862, 39.2375, 16.9887** is the 20% darker color. If you saturate the color by 10%, you get **42.4870, 72.2156, 31.5420**, and if you desaturate by 10%, it is **52.3705, 76.9561, 48.0261**.

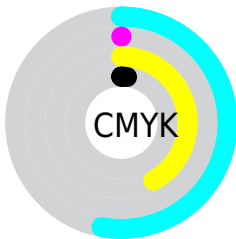
Distribution



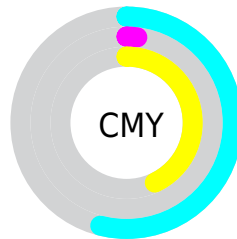
- Red (46%)
- Green (98%)
- Blue (57%)



- Red (46%)
- Yellow (89%)
- Blue (98%)



- Cyan (53%)
- Magenta (0%)
- Yellow (42%)
- Black (2%)





- Cyan (54%)
- Magenta (2%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.8451, 74.2981, 39.0661 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 46.8451, 74.2981, 39.0661 by changing the saturation by 10% instead.


 46.8451, 74.2981,
39.0661

 46.8451, 74.2981,
39.0661


364.8551,
475.5016, 357.6058


 33.1207, 55.0381,
26.5029


 84.7025, 125.3183,
74.9607

 22.3786, 39.4322,
16.9711


 109.5662,
157.8472, 99.1293

 14.2535, 27.0961,
10.0522


 138.8736,
195.5679, 128.0034

 8.3801, 17.6454,
5.3275

172.9902,
238.8648, 162.0015

 4.3929, 10.6957,
2.3786

212.2813,
288.1222, 201.5423

 1.9267, 5.8626,
0.7748

257.1123,

 0.5923, 2.7617,

343.7245, 247.0443

0.0000

307.8484,
406.0562, 298.9259

0.0000, 1.0086,
0.0000

0.0000, 0.0000,
0.0000

46.8451, 74.2981,
39.0661

46.8451, 74.2981,
39.0661

42.4870, 72.2156,
31.5420

52.3705, 76.9561,
48.0261

39.2043, 70.6564,
25.3740


59.1349, 80.2188,
58.4861


36.9000, 69.5744,
20.4822


67.2109, 84.1243,
70.5126

35.4561, 68.9105,
16.7763

76.6636, 88.7049,
84.1663

 34.8304, 68.6315,
14.7836

 87.5539, 93.9908,
99.5050

 93.4771, 96.8541,
108.3757

Harmonies

Analogous

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



57.2346, 74.2981, 22.5858



46.8451, 74.2981, 39.0661



42.7853, 74.2981, 74.5778

Triad

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



46.8451, 74.2981, 39.0661



68.3753, 74.2981, 214.7227



104.2299, 74.2981, 46.4045

Complementary

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



46.8451, 74.2981, 39.0661



59.0898, 38.5561, 73.4371

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.



108.4769, 74.2981, 87.5656



46.8451, 74.2981, 39.0661



85.9406, 74.2981, 197.4596

Square

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



46.8451, 74.2981, 39.0661



53.8888, 74.2981, 185.9223



101.3188, 74.2981, 145.2609



90.4943, 74.2981, 25.4742

Rectangle

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



46.8451, 74.2981, 39.0661



43.6431, 74.2981, 109.5630



101.3188, 74.2981, 145.2609



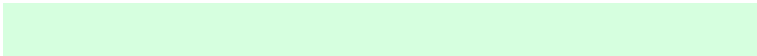
106.9003, 74.2981, 57.7271

Sweetspot

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



46.8470, 74.3012, 39.0678



76.8497, 91.1661, 83.2559



68.0750, 85.4662, 30.0486



16.0081, 19.2996, 17.1846



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.



46.8470, 74.3012, 39.0678



44.3366, 75.4880, 32.8041



53.3417, 76.8991, 73.2684



17.1680, 19.3695, 19.0853



18.5166, 36.4197, 8.0638



1.7520, 3.3879, 0.9418

Inverse Universe

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



59.0898, 38.5561, 73.4371



58.3146, 34.5441, 71.9460



52.0420, 35.7370, 36.3236



17.8261, 17.4578, 20.9399



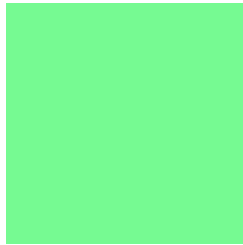
26.3105, 12.9399, 29.4074



2.4748, 1.2137, 2.9237

Previews

White Background



This preview shows how the XYZ color 46.8451, 74.2981, 39.0661 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 46.8451, 74.2981, 39.0661 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 46.8451, 74.2981, 39.0661

Background



This preview shows how black text looks on a background with the XYZ color 46.8451, 74.2981, 39.0661.

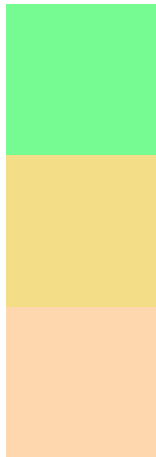


This preview shows how white text looks on a background with the XYZ color 46.8451, 74.2981,

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

46.8451, 74.2981, 39.0661

Protanopia

67.4566, 73.0465, 33.4657

Deuteranopia

73.1804, 72.9169, 50.2617



Tritanopia

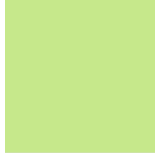
60.7286, 74.1779, 105.7248

Trichromacy



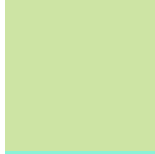
Original Color

46.8451, 74.2981, 39.0661



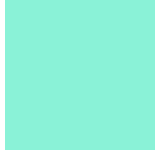
Protanomaly

56.8055, 71.5831, 35.2490



Deuteranomaly

59.6211, 71.1463, 45.7122



Tritanomaly

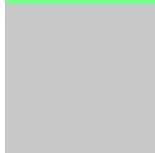
54.4991, 73.8138, 75.6651

Monochromacy



Original Color

46.8451, 74.2981, 39.0661



Achromatopsia

54.2854, 57.1125, 62.1955



Achromatomaly

49.8872, 61.9841, 52.5148

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8451, 74.2981, 39.0661 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(118, 250, 146)` looks like.

```
.text, #text, p{  
    color:rgb(118, 250, 146)  
}
```

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(118, 250, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 250, 146) }
```

Border

The CSS property to change the border of an element to XYZ 46.8451, 74.2981, 39.0661 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(118, 250, 146) }
```


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

```
.border{ border-color:rgb(118, 250, 146) }
```

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

Here you see how a box with a 4 pixel rgb(118, 250, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 250, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 250, 146);  
box-shadow:4px 4px 4px 4px rgb(118, 250,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8451, 74.2981, 39.0661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 250, 146) }
```

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

```
.background{ background-color: rgb(118,  
250, 146) }
```

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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