

Converting Colors

XYZ(46.6559, 76.3423, 48.3372)

Have a look what the booklet for
XYZ(46.6559, 76.3423, 48.3372)
contains.

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Color

**XYZ(46.6674, 76.3479,
48.3534)**

Conversions

Conversions Part 1

Format	Color
Hex	58FFA6
RGB	88, 255, 166
RGB Percent	35%, 100%, 65%
CMY	0.6549, 0.0000, 0.3490
CMYK	0.65, 0.00, 0.35, 0.00
HSL	148°, 100%, 67%
HSV	148°, 65%, 100%
XYZ	46.6674, 76.3479, 48.3534
YIQ	194.9210, -70.9630, -63.0830

Conversions

Conversions Part 2

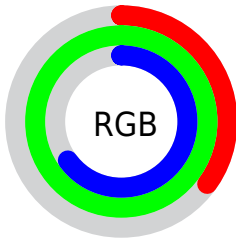
Format	Color
RYB	88, 202, 255
Decimal	5832614
CIELab	90.02, -62.53, 30.21
CIELCh	90, 69.446, 154.217
Yxy	76.3479, 0.2723, 0.4455
Android (android.graphics.Color)	4284022694 (0xFF58FFA6)
YUV	194.9210, -14.2581, -93.7697
Hunter-Lab	87.3773, -57.5751, 28.3538

Details

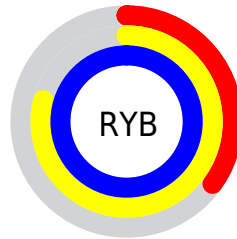
The XYZ color **46.6674, 76.3479, 48.3534** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **52.6658, 31.4142, 44.8828**, and the grayscale version is **51.9373, 54.6421, 59.5053**.

A 20% lighter version of the original color is **62.2712, 83.6640, 81.9740**, and **22.9469, 41.1248, 22.3512** is the 20% darker color. If you saturate the color by 10%, you get **43.4797, 74.8410, 42.0376**, and if you desaturate by 10%, it is **50.8317, 78.3428, 55.4051**.

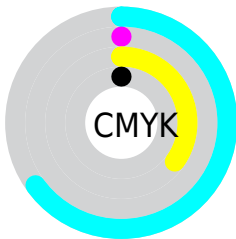
Distribution



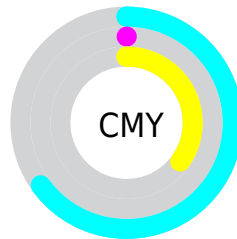
- Red (35%)
- Green (100%)
- Blue (65%)



- Red (35%)
- Yellow (79%)
- Blue (100%)



- Cyan (65%)
- Magenta (0%)
- Yellow (35%)
- Black (0%)





- Cyan (65%)
- Magenta (0%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.6674, 76.3479, 48.3534 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 46.6674, 76.3479, 48.3534 by changing the saturation by 10% instead.


 46.6674, 76.3479,
48.3534


 46.6674, 76.3479,
48.3534


364.1565,
482.5378, 396.7403


 32.9796, 56.7178,
33.7449


 84.4387, 128.2186,
89.1014


 22.2700, 40.7787,
22.4219


 109.2530,
161.2279, 116.0779

 14.1731, 28.1462,
13.9660


 138.5068,
199.4659, 148.0141

 8.3237, 18.4359,
7.9585

 172.5655,
243.3168, 185.3286

 4.3563, 11.2634,
3.9810

211.7945,
293.1650, 228.4400

 1.9056, 6.2443,
1.6149

256.5591,

 0.5801, 2.9942,

349.3950, 277.7667

0.3014

307.2246,
412.3911, 333.7272

■ 0.0000, 1.1287,
0.0000

■ 0.0000, 0.0023,
0.0000

■ 46.6674, 76.3479,
48.3534

■ 46.6674, 76.3479,
48.3534

■ 43.4797, 74.8410,
42.0376

■ 50.8317, 78.3428,
55.4051

■ 41.1704, 73.7723,
36.4281

■ 56.0539, 80.8676,
63.2132

■ 39.6214, 73.0813,
31.4982

■ 62.4084, 83.9599,
71.8018

■ 39.0960, 72.8544,
29.4871

■ 69.9621, 87.6540,
81.1928

■ 78.7764, 91.9810,
91.4070

■ 88.9086, 96.9701,
102.4648

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.



55.5075, 76.3479, 26.8183



46.6674, 76.3479, 48.3534



44.3208, 76.3479, 90.2933

Triad

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



46.6674, 76.3479, 48.3534



75.0263, 76.3479, 217.9427



103.5048, 76.3479, 40.4229

Complementary

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



46.6674, 76.3479, 48.3534



52.6658, 31.4142, 44.8828

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.



110.8125, 76.3479, 76.3557



46.6674, 76.3479, 48.3534



92.8048, 76.3479, 188.6683

Square

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



46.6674, 76.3479, 48.3534



59.1067, 76.3479, 200.9579



106.6180, 76.3479, 131.5268



87.9284, 76.3479, 23.6728

Rectangle

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



46.6674, 76.3479, 48.3534



46.3832, 76.3479, 128.3655



106.6180, 76.3479, 131.5268



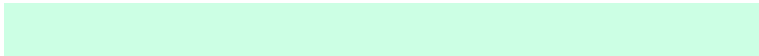
107.1126, 76.3479, 50.0074

Sweetspot

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



46.6679, 76.3481, 48.3547



74.6405, 89.9489, 86.6963



55.6685, 81.5797, 22.0456



15.4531, 18.9961, 17.9467



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.



46.6679, 76.3481, 48.3547



42.5743, 74.4187, 39.9889



56.9514, 80.4615, 102.5064



18.1246, 20.3094, 20.9593



20.5023, 38.0975, 15.7965



2.0508, 3.7313, 1.8255

Inverse Universe

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



52.6658, 31.4142, 44.8828



48.9632, 26.4266, 36.1960



46.7311, 29.0404, 13.6310



18.4140, 18.1489, 20.7974



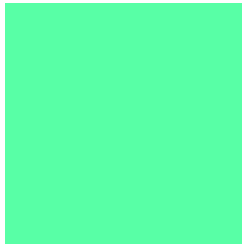
23.9432, 12.0666, 13.6173



2.3865, 1.1970, 1.6167

Previews

White Background



This preview shows how the XYZ color 46.6674, 76.3479, 48.3534 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 46.6674, 76.3479, 48.3534 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 46.6674, 76.3479, 48.3534

Background



This preview shows how black text looks on a background with the XYZ color 46.6674, 76.3479, 48.3534.

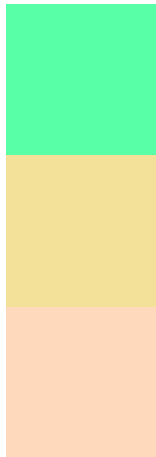


This preview shows how white text looks on a background with the XYZ color 46.6674, 76.3479,

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

46.6674, 76.3479, 48.3534

Protanopia

69.3676, 74.6659, 40.8929

Deuteranopia

75.0225, 74.4736, 57.4344



Tritanopia

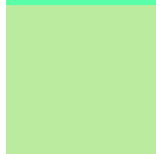
61.6790, 75.5323, 105.9361

Trichromacy



Original Color

46.6674, 76.3479, 48.3534



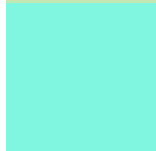
Protanomaly

56.3734, 72.4501, 43.3608



Deuteranomaly

58.9607, 71.8758, 53.4137



Tritanomaly

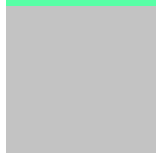
54.8738, 75.2217, 81.4391

Monochromacy



Original Color

46.6674, 76.3479, 48.3534



Achromatopsia

51.8711, 54.5724, 59.4294



Achromatomaly

47.1749, 60.1543, 54.4720

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6674, 76.3479, 48.3534 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(88, 255, 166)` looks like.

```
.text, #text, p{  
    color:rgb(88, 255, 166)  
}
```

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(88, 255, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 255, 166) }
```

Border

The CSS property to change the border of an element to XYZ 46.6674, 76.3479, 48.3534 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(88, 255, 166) }
```


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

```
.border{ border-color:rgb(88, 255, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 255, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 255, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 255, 166);  
box-shadow:4px 4px 4px 4px rgb(88, 255,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6674, 76.3479, 48.3534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 255, 166) }
```

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

```
.background{ background-color: rgb(88, 255,  
166) }
```

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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