

Converting Colors

XYZ(46.5786, 76.4805, 40.2871)

Have a look what the booklet for
XYZ(46.5786, 76.4805, 40.2871)
contains.

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Color

**XYZ(46.5848, 76.4829,
40.3244)**

Conversions

Conversions Part 1

Format	Color
Hex	66FF94
RGB	102, 255, 148
RGB Percent	40%, 100%, 58%
CMY	0.6000, 0.0000, 0.4196
CMYK	0.60, 0.00, 0.42, 0.00
HSL	138°, 100%, 70%
HSV	138°, 60%, 100%
XYZ	46.5848, 76.4829, 40.3244
YIQ	197.0550, -56.8410, -65.7130

Conversions

Conversions Part 2

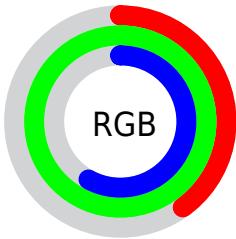
Format	Color
RYB	102, 220, 255
Decimal	6750100
CIELab	90.08, -63.03, 39.28
CIElCh	90, 74.270, 148.074
Yxy	76.4829, 0.2851, 0.4681
Android (android.graphics.Color)	4284940180 (0xFF66FF94)
YUV	197.0550, -24.1841, -83.3632
Hunter-Lab	87.4545, -57.9629, 33.8801

Details

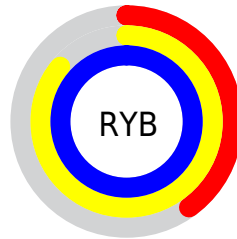
The XYZ color **46.5848, 76.4829, 40.3244** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **57.5001, 35.3666, 64.1169**, and the grayscale version is **53.2703, 56.0445, 61.0324**.

A 20% lighter version of the original color is **62.0565, 83.8311, 69.4102**, and **22.2292, 40.8552, 17.7806** is the 20% darker color. If you saturate the color by 10%, you get **42.8212, 74.6934, 33.3393**, and if you desaturate by 10%, it is **51.4553, 78.8178, 48.4990**.

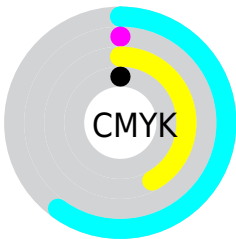
Distribution



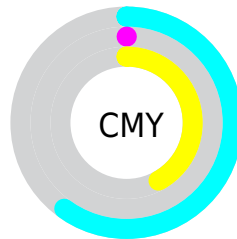
- Red (40%)
- Green (100%)
- Blue (58%)



- Red (40%)
- Yellow (86%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (42%)
- Black (0%)





- Cyan (60%)
- Magenta (0%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.5848, 76.4829, 40.3244 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 46.5848, 76.4829, 40.3244 by changing the saturation by 10% instead.


 46.5848, 76.4829,
40.3244


 46.5848, 76.4829,
40.3244


363.8314,
482.9992, 363.0816


 32.9141, 56.8286,
27.4759


 84.3160, 128.4093,
76.8997

 22.2196, 40.8676,
17.6953


 109.1073,
161.4501, 101.4636

 14.1358, 28.2157,
10.5643


 138.3362,
199.7219, 130.7696

 8.2975, 18.4883,
5.6642

172.3679,
243.6091, 165.2364

 4.3393, 11.3011,
2.5765

211.5680,
293.4960, 205.2825

 1.8958, 6.2698,
0.8803

256.3017,

 0.5744, 3.0098,

349.7670, 251.3263

0.0000

306.9344,
412.8066, 303.7865

0.0000, 1.1368,
0.0000

0.0000, 0.0092,
0.0000

46.5848, 76.4829,
40.3244

46.5848, 76.4829,
40.3244

42.8212, 74.6934,
33.3393

51.4553, 78.8178,
48.4990

40.0688, 73.4012,
27.4838

57.5144, 81.7394,
57.9118

38.2165, 72.5503,
22.6980

64.8374, 85.2852,
68.6130

37.0880, 72.0512,
18.9129

73.4928, 89.4898,
80.6493

■ 37.0879, 72.0512,
18.9126

■ 83.5443, 94.3850,
94.0648

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.



57.2665, 76.4829, 22.0063



46.5848, 76.4829, 40.3244



42.7284, 76.4829, 79.9129

Triad

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



46.5848, 76.4829, 40.3244



71.5104, 76.4829, 231.3800



108.6426, 76.4829, 44.0775

Complementary

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



46.5848, 76.4829, 40.3244



57.5001, 35.3666, 64.1169

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.



114.1550, 76.4829, 86.7339



46.5848, 76.4829, 40.3244



90.6713, 76.4829, 208.6888

Square

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



46.5848, 76.4829, 40.3244



55.5253, 76.4829, 202.4600



107.0935, 76.4829, 149.2700



93.0822, 76.4829, 23.4407

Rectangle

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



46.5848, 76.4829, 40.3244



43.9522, 76.4829, 118.8808



107.0935, 76.4829, 149.2700



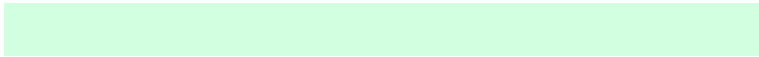
111.8366, 76.4829, 55.6025

Sweetspot

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



46.5853, 76.4831, 40.3257



75.3887, 90.4122, 83.2196



64.4814, 86.0494, 25.7816



15.5496, 19.0665, 17.0156



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.



46.5853, 76.4831, 40.3257



42.1928, 74.3967, 32.0791



54.7487, 79.7485, 83.3135



17.9963, 20.2581, 20.2836



19.4365, 37.6712, 10.1837



1.9383, 3.6862, 1.2330

Inverse Universe

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



57.5001, 35.3666, 64.1169



53.9205, 29.9782, 57.4645



50.1978, 32.4456, 25.6632



18.5464, 18.2019, 21.4942



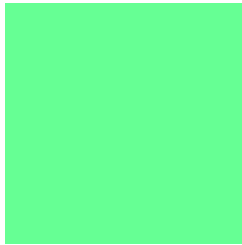
25.8343, 12.8230, 23.5757



2.5638, 1.2679, 2.5503

Previews

White Background



This preview shows how the XYZ color 46.5848, 76.4829, 40.3244 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 46.5848, 76.4829, 40.3244 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

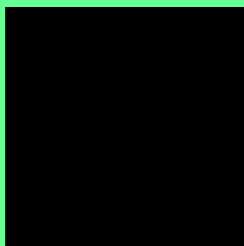
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

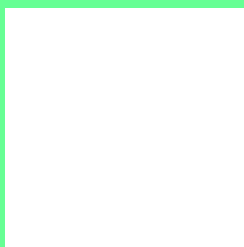
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.5848, 76.4829, 40.3244

Background



This preview shows how black text looks on a background with the XYZ color 46.5848, 76.4829, 40.3244.

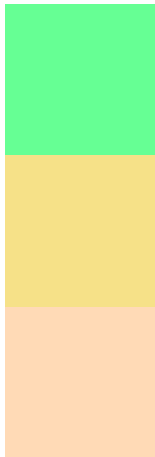


This preview shows how white text looks on a background with the XYZ color 46.5848, 76.4829,

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

46.5848, 76.4829, 40.3244

Protanopia

69.3752, 75.2208, 34.1552

Deuteranopia

74.7549, 74.7802, 54.7500



Tritanopia

62.6268, 76.0209, 105.9805

Trichromacy



Original Color

46.5848, 76.4829, 40.3244



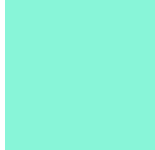
Protanomaly

56.9772, 73.3537, 35.9666



Deuteranomaly

59.3848, 72.1962, 48.8356



Tritanomaly

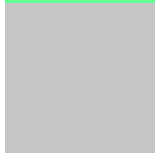
55.2004, 75.4969, 76.6287

Monochromacy



Original Color

46.5848, 76.4829, 40.3244



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

48.1084, 61.0789, 51.9016

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.5848, 76.4829, 40.3244 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(102, 255, 148)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 148)  
}
```

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(102, 255, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 148) }
```

Border

The CSS property to change the border of an element to XYZ 46.5848, 76.4829, 40.3244 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(102, 255, 148) }
```


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

```
.border{ border-color:rgb(102, 255, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 255, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 148);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 46.5848, 76.4829, 40.3244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 255, 148) }
```

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

```
.background{ background-color: rgb(102,  
255, 148) }
```

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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