

Converting Colors

XYZ(46.1578, 76.6034, 24.9173)

Have a look what the booklet for
XYZ(46.1578, 76.6034, 24.9173)
contains.

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Color

**XYZ(46.1843, 76.6169,
24.9247)**

Conversions

Conversions Part 1

Format	Color
Hex	7AFF66
RGB	122, 255, 102
RGB Percent	48%, 100%, 40%
CMY	0.5216, 0.0000, 0.6000
CMYK	0.52, 0.00, 0.60, 0.00
HSL	112°, 100%, 70%
HSV	112°, 60%, 100%
XYZ	46.1843, 76.6169, 24.9247
YIQ	197.7910, -30.1550, -75.7790

Conversions

Conversions Part 2

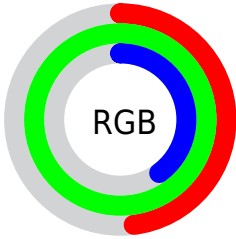
Format	Color
RYB	102, 255, 235
Decimal	8060774
CIELab	90.14, -64.43, 60.66
CIElCh	90, 88.498, 136.727
Yxy	76.6169, 0.3126, 0.5186
Android (android.graphics.Color)	4286250854 (0xFF7AFF66)
YUV	197.7910, -47.2250, -66.4687
Hunter-Lab	87.5311, -58.9969, 44.3888

Details

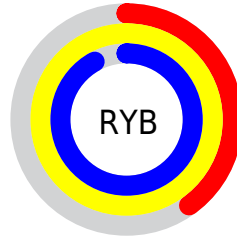
The XYZ color **46.1843, 76.6169, 24.9247** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **57.0641, 34.3865, 98.2374**, and the grayscale version is **53.8404, 56.6443, 61.6856**.

A 20% lighter version of the original color is **61.3742, 84.0216, 44.8813**, and **21.9612, 40.9062, 9.2208** is the 20% darker color. If you saturate the color by 10%, you get **42.3192, 74.7487, 19.1273**, and if you desaturate by 10%, it is **51.1546, 79.0099, 32.8057**.

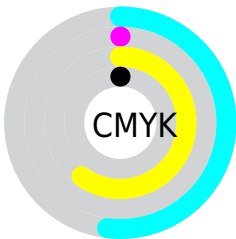
Distribution



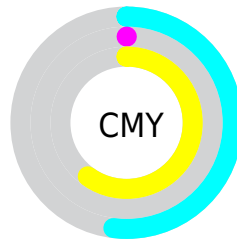
- Red (48%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (92%)



- Cyan (52%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)





- Cyan (52%)
- Magenta (0%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.1843, 76.6169, 24.9247 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 46.1843, 76.6169, 24.9247 by changing the saturation by 10% instead.


 46.1843, 76.6169,
24.9247


 46.1843, 76.6169,
24.9247


362.2526,
483.4568, 290.8984

 32.5965, 56.9385,
15.8025


 83.7209, 128.5986,
52.4976


 21.9753, 40.9559,
9.2316


 108.4005,
161.6706, 71.7854

 13.9552, 28.2846,
4.7937


 137.5080,
199.9760, 95.2988

 8.1710, 18.5403,
2.0701

 171.4089,
243.8991, 123.4563

 4.2573, 11.3386,
0.5979

210.4684,
293.8244, 156.6765

 1.8487, 6.2951,
0.0000

255.0520,

 0.5468, 3.0253,

350.1361, 195.3778

0.0000

305.5249,
413.2188, 239.9790

0.0000, 1.1450,
0.0000

0.0000, 0.0161,
0.0000

46.1843, 76.6169,
24.9247

46.1843, 76.6169,
24.9247

42.3192, 74.7487,
19.1273

51.1546, 79.0099,
32.8057

39.4722, 73.3647,
15.2129


57.3063, 81.9633,
42.9390


37.5440, 72.4188,
12.9479

64.7096, 85.5099,
55.4800

36.3979, 71.8488,
11.9500

73.4289, 89.6799,
70.5693

 36.3977, 71.8488,
11.9498

 83.5243, 94.5015,
88.3369

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.



61.3246, 76.6169, 12.9103



46.1843, 76.6169, 24.9247



38.9504, 76.6169, 58.6072

Triad

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



46.1843, 76.6169, 24.9247



63.5443, 76.6169, 265.3481



121.2515, 76.6169, 53.2144

Complementary

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



46.1843, 76.6169, 24.9247



57.0641, 34.3865, 98.2374

Split Complementary

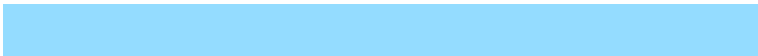
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



122.1797, 76.6169, 114.4085



46.1843, 76.6169, 24.9247



85.6737, 76.6169, 261.2865

Square

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



46.1843, 76.6169, 24.9247



47.5263, 76.6169, 206.2037



108.1260, 76.6169, 196.9190



105.7993, 76.6169, 22.6902

Rectangle

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



46.1843, 76.6169, 24.9247



38.4008, 76.6169, 98.4166



108.1260, 76.6169, 196.9190



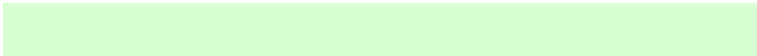
123.3668, 76.6169, 70.0349

Sweetspot

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



46.1846, 76.6170, 24.9259



75.3344, 90.5905, 73.9017



73.2326, 81.4076, 24.4250



15.5347, 19.1081, 14.7870



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.



46.1846, 76.6170, 24.9259



41.6708, 74.4342, 18.1997



47.4204, 76.8172, 44.7220



17.9922, 20.2819, 19.1108



19.0862, 37.5774, 6.2472



1.9236, 3.6924, 0.6113

Inverse Universe

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



57.0641, 34.3865, 98.2374



53.2851, 28.7671, 97.3519



56.2892, 34.8825, 57.7392



18.5454, 18.1729, 22.7802



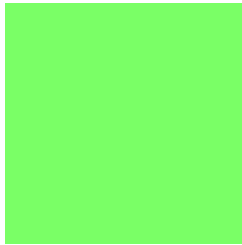
25.2108, 11.9071, 50.4041



2.5169, 1.1914, 4.9106

Previews

White Background



This preview shows how the XYZ color 46.1843, 76.6169, 24.9247 looks on a white background.

Color Contrast Check

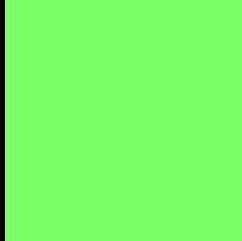
Large Text (above 18pt) WCAG AA × Fail

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 46.1843, 76.6169, 24.9247 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

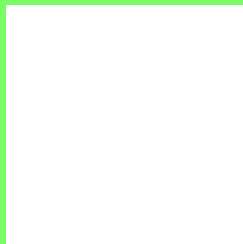
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.1843, 76.6169, 24.9247

Background



This preview shows how black text looks on a background with the XYZ color 46.1843, 76.6169, 24.9247.

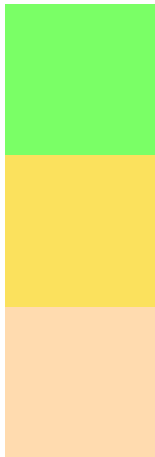


This preview shows how white text looks on a background with the XYZ color 46.1843, 76.6169,

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

46.1843, 76.6169, 24.9247

Protanopia

68.6847, 75.1500, 21.2413

Deuteranopia

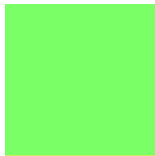
74.3094, 75.0182, 51.1209



Tritanopia

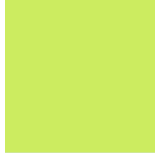
63.9344, 76.2616, 105.9580

Trichromacy



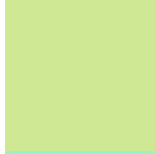
Original Color

46.1843, 76.6169, 24.9247



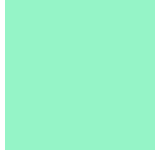
Protanomaly

57.0086, 73.6728, 22.2819



Deuteranomaly

59.9340, 73.1167, 38.9711



Tritanomaly

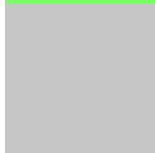
55.0539, 75.2144, 65.6490

Monochromacy



Original Color

46.1843, 76.6169, 24.9247



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

48.5199, 61.8534, 44.0320

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1843, 76.6169, 24.9247 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(122, 255, 102)` looks like.

```
.text, #text, p{  
    color:rgb(122, 255, 102)  
}
```

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(122, 255, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 255, 102) }
```

Border

The CSS property to change the border of an element to XYZ 46.1843, 76.6169, 24.9247 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(122, 255, 102) }
```


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

```
.border{ border-color:rgb(122, 255, 102) }
```

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

Here you see how a box with a 4 pixel rgb(122, 255, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 255, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 255, 102);  
box-shadow:4px 4px 4px 4px rgb(122, 255,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1843, 76.6169, 24.9247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 255, 102) }
```

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

```
.background{ background-color: rgb(122,  
255, 102) }
```

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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