

# Converting Colors

XYZ(46.9685, 76.5111, 48.0071)

Have a look what the booklet for  
XYZ(46.9685, 76.5111, 48.0071)  
contains.

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# Color

**XYZ(46.9652, 76.5119,  
47.8903)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5CFFA5
RGB	92, 255, 165
RGB Percent	36%, 100%, 65%
CMY	0.6392, 0.0000, 0.3529
CMYK	0.64, 0.00, 0.35, 0.00
HSL	147°, 100%, 68%
HSV	147°, 64%, 100%
XYZ	46.9652, 76.5119, 47.8903
YIQ	196.0030, -68.2580, -62.5460

# Conversions

## Conversions Part 2

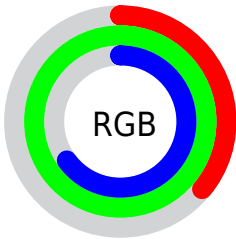
<b>Format</b>	<b>Color</b>
<b>RYB</b>	92, 205, 255
Decimal	6094757
CIELab	90.10, -62.02, 30.83
CIElCh	90, 69.261, 153.572
Yxy	76.5119, 0.2741, 0.4465
Android (android.graphics.Color)	4284284837 (0xFF5CFFA5)
YUV	196.0030, -15.2845, -91.2106
Hunter-Lab	87.4711, -57.2337, 28.7686

# Details

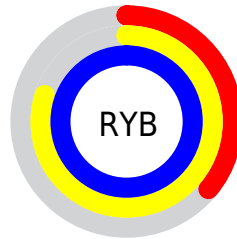
The XYZ color **46.9652, 76.5119, 47.8903** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **53.5111, 32.2924, 47.6693**, and the grayscale version is **52.5895, 55.3283, 60.2525**.

A 20% lighter version of the original color is **62.7158, 83.9086, 81.2971**, and **22.8909, 41.1024, 22.0563** is the 20% darker color. If you saturate the color by 10%, you get **43.6205, 74.9277, 41.4089**, and if you desaturate by 10%, it is **51.3090, 78.5949, 55.1576**.

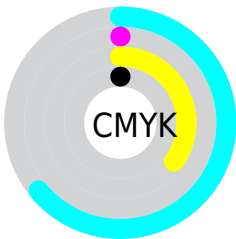
# Distribution



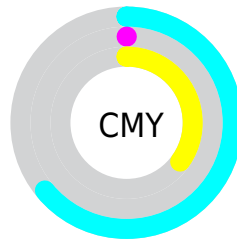
- Red (36%)
- Green (100%)
- Blue (65%)



- Red (36%)
- Yellow (80%)
- Blue (100%)



- Cyan (64%)
- Magenta (0%)
- Yellow (35%)
- Black (0%)




- Cyan (64%)
- Magenta (0%)
- Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.9652, 76.5119, 47.8903 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 46.9652, 76.5119, 47.8903 by changing the saturation by 10% instead.





 46.9652, 76.5119,  
47.8903


 46.9652, 76.5119,  
47.8903


365.3268,  
483.0982, 394.8533


 33.2160, 56.8524,  
33.3806


 84.8807, 128.4502,  
88.4049


 22.4520, 40.8867,  
22.1447


 109.7778,  
161.4978, 115.2469

 14.3078, 28.2306,  
13.7639


 139.1214,  
199.7769, 147.0368

 8.4182, 18.4995,  
7.8198

 173.2771,  
243.6719, 184.1931

 4.4177, 11.3092,  
3.8937

212.6101,  
293.5671, 227.1344

 1.9411, 6.2752,  
1.5672

257.4858,

 0.6005, 3.0131,

349.8469, 276.2791

0.2673

308.2696,  
412.8959, 332.0459

■ 0.0000, 1.1386,  
0.0000

■ 0.0000, 0.0107,  
0.0000

■ 46.9652, 76.5119,  
47.8903

■ 46.9652, 76.5119,  
47.8903

■ 43.6205, 74.9277,  
41.4089

■ 51.3090, 78.5949,  
55.1576

■ 41.1787, 73.7931,  
35.6812


■ 56.7321, 81.2175,  
63.2333


■ 39.5257, 73.0500,  
30.6783

■ 63.3080, 84.4171,  
72.1440

■ 38.8089, 72.7395,  
27.9751

■ 71.1031, 88.2274,  
81.9134

 80.1786, 92.6797,  
92.5645

 90.5915, 97.8027,  
104.1192

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.



55.9383, 76.5119, 26.7218



46.9652, 76.5119, 47.8903



44.4784, 76.5119, 89.3440

# Triad

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



46.9652, 76.5119, 47.8903



74.8002, 76.5119, 217.9391



103.8724, 76.5119, 41.1719

# Complementary

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



46.9652, 76.5119, 47.8903



53.5111, 32.2924, 47.6693

# 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.



110.9356, 76.5119, 77.5510



46.9652, 76.5119, 47.8903



92.5666, 76.5119, 189.6410

# Square

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



46.9652, 76.5119, 47.8903



58.9853, 76.5119, 200.0268



106.5051, 76.5119, 132.9215



88.4418, 76.5119, 24.0535



# Rectangle

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



46.9652, 76.5119, 47.8903



46.4471, 76.5119, 127.1693



106.5051, 76.5119, 132.9215



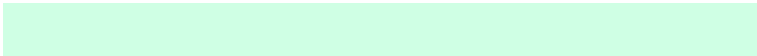
107.4053, 76.5119, 50.9071

# Sweetspot

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



46.9658, 76.5122, 47.8916



75.4047, 90.3359, 87.0422



57.5474, 82.5287, 23.0226



15.5963, 19.0691, 17.9868



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.



46.9658, 76.5122, 47.8916



42.7770, 74.5328, 39.5657



56.5234, 80.3353, 98.2215



18.1097, 20.3034, 20.8805



20.3511, 38.0370, 15.0002



2.0356, 3.7252, 1.7452



# Inverse Universe

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



53.5111, 32.2924, 47.6693



49.7669, 27.1444, 39.2063



47.5091, 29.8916, 16.0635



18.4292, 18.1550, 20.8771



24.1294, 12.1411, 14.5979

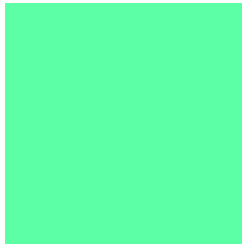


2.4045, 1.2042, 1.7114



# Previews

## White Background



This preview shows how the XYZ color 46.9652, 76.5119, 47.8903 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 46.9652, 76.5119, 47.8903 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

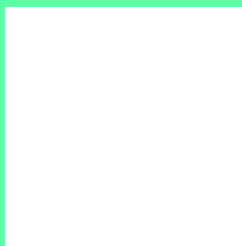
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 46.9652, 76.5119, 47.8903**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.9652, 76.5119, 47.8903.



This preview shows how white text looks on a background with the XYZ color 46.9652, 76.5119,



# 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

46.9652, 76.5119, 47.8903

### Protanopia

69.5549, 75.1721, 40.5495

### Deuteranopia

75.2810, 74.9907, 57.5206



## Tritanopia

62.0534, 75.7253, 105.9536

# Trichromacy



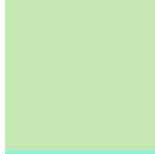
## Original Color

46.9652, 76.5119, 47.8903



## Protanomaly

56.8203, 73.1166, 43.0165



## Deuteranomaly

59.4775, 72.1423, 53.4379



## Tritanomaly

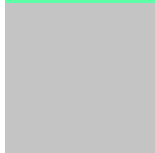
55.1973, 75.4040, 80.7525

# Monochromacy



## Original Color

46.9652, 76.5119, 47.8903



## Achromatopsia

52.4687, 55.2011, 60.1140



## Achromatomaly

47.6704, 60.3976, 55.0443

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.9652, 76.5119, 47.8903 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(92, 255, 165)` looks like.

```
.text, #text, p{  
    color:rgb(92, 255, 165)  
}
```

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(92, 255, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 255, 165) }
```

## Border

The CSS property to change the border of an element to XYZ 46.9652, 76.5119, 47.8903 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(92, 255, 165) }
```



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

```
.border{ border-color:rgb(92, 255, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 255, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 255, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 255, 165);  
box-shadow:4px 4px 4px 4px rgb(92, 255,  
165) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.9652, 76.5119, 47.8903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 255, 165) }
```

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

```
.background{ background-color: rgb(92, 255,  
165) }
```

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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