

# Converting Colors

XYZ(46.6472, 74.3705, 31.2980)

Have a look what the booklet for  
XYZ(46.6472, 74.3705, 31.2980)  
contains.

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# Color

**XYZ(46.6397, 74.3639,  
31.2975)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7FFA7D
RGB	127, 250, 125
RGB Percent	50%, 98%, 49%
CMY	0.5020, 0.0196, 0.5098
CMYK	0.49, 0.00, 0.50, 0.02
HSL	119°, 93%, 74%
HSV	119°, 50%, 98%
XYZ	46.6397, 74.3639, 31.2975
YIQ	198.9730, -33.1830, -64.9510

# Conversions

## Conversions Part 2

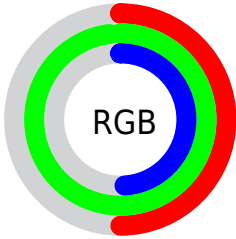
Format	Color
<a href="#">RYB</a>	<a href="#">125, 250, 248</a>
Decimal	<a href="#">8387197</a>
CIELab	<a href="#">89.09, -58.62, 49.21</a>
CIElCh	<a href="#">89, 76.532, 139.989</a>
Yxy	<a href="#">74.3639, 0.3062, 0.4883</a>
Android (android.graphics.Color)	<a href="#">4286577277 (0xFF7FFA7D)</a>
YUV	<a href="#">198.9730, -36.4687, -63.1203</a>
Hunter-Lab	<a href="#">86.2345, -54.3691, 38.8458</a>

# Details

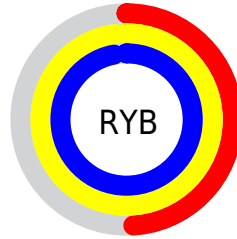
The XYZ color **46.6397, 74.3639, 31.2975** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **63.3039, 41.5282, 95.1256**, and the grayscale version is **54.5019, 57.3402, 62.4435**.

A 20% lighter version of the original color is **64.4917, 85.3801, 56.2609**, and **22.1337, 39.2571, 12.5417** is the 20% darker color. If you saturate the color by 10%, you get **42.0124, 72.1425, 23.7679**, and if you desaturate by 10%, it is **52.5669, 77.2133, 40.9889**.

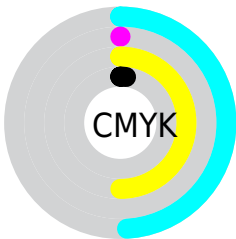
# Distribution



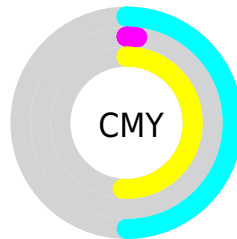
- Red (50%)
- Green (98%)
- Blue (49%)



- Red (49%)
- Yellow (98%)
- Blue (97%)



- Cyan (49%)
- Magenta (0%)
- Yellow (50%)
- Black (2%)




- Cyan (50%)
- Magenta (2%)
- Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.6397, 74.3639, 31.2975 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 46.6397, 74.3639, 31.2975 by changing the saturation by 10% instead.





 46.6397, 74.3639,  
31.2975

 46.6397, 74.3639,  
31.2975


364.0475,  
475.7284, 322.3001


 32.9577, 55.0919,  
20.5651


 84.3976, 125.4115,  
62.7932

 22.2531, 39.4753,  
12.6184


 109.2041,  
157.9560, 84.3936

 14.1606, 27.1297,  
7.0387


 138.4496,  
195.6934, 110.4538

 8.3149, 17.6707,  
3.4075

172.4993,  
239.0081, 141.3923

 4.3506, 10.7138,  
1.3063

211.7185,  
288.2846, 177.6276

 1.9023, 5.8747,  
0.0669

256.4728,

 0.5782, 2.7691,

343.9072, 219.5784

0.0000

307.1273,  
406.2603, 267.6630

0.0000, 1.0124,  
0.0000

0.0000, 0.0000,  
0.0000

46.6397, 74.3639,  
31.2975

46.6397, 74.3639,  
31.2975

42.0124, 72.1425,  
23.7679

52.5669, 77.2133,  
40.9889

38.5826, 70.4934,  
18.2301


59.8758, 80.7233,  
52.9850


36.2415, 69.3667,  
14.4968


68.6477, 84.9348,  
67.4224


34.8580, 68.6997,  
12.3430

78.9561, 89.8834,  
84.4257

 34.2371, 68.3999,  
11.3981

 90.8697, 95.6017,  
104.1108

 34.2371, 68.3999,  
11.3980

 93.4771, 96.8542,  
108.3757

# Harmonies

## Analogous

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



59.1283, 74.3639, 17.7597



46.6397, 74.3639, 31.2975



40.9461, 74.3639, 64.4117

# Triad

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



46.6397, 74.3639, 31.2975



64.6342, 74.3639, 229.8559



109.9746, 74.3639, 50.7180

# Complementary

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



46.6397, 74.3639, 31.2975



63.3039, 41.5282, 95.1256

# Split Complementary

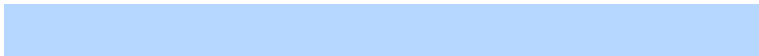
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



112.1542, 74.3639, 100.1467



46.6397, 74.3639, 31.2975



83.6475, 74.3639, 220.7202

# Square

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



46.6397, 74.3639, 31.2975



50.0594, 74.3639, 187.7135



101.8227, 74.3639, 166.4675



96.3057, 74.3639, 25.0682



# Rectangle

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



46.6397, 74.3639, 31.2975



40.9444, 74.3639, 100.1016



101.8227, 74.3639, 166.4675



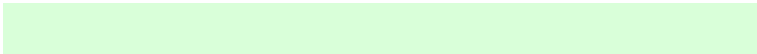
112.1575, 74.3639, 64.4453

# Sweetspot

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



46.6415, 74.3670, 31.2992



76.9747, 91.3239, 79.0456



76.6712, 88.8921, 32.5200



15.9968, 19.3171, 16.1291



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.



46.6415, 74.3670, 31.2992



43.9190, 75.4491, 24.8187



51.4465, 76.2550, 58.1393



17.0430, 19.3224, 18.2937



18.1709, 36.2857, 6.0461



1.6917, 3.3652, 0.5604



# Inverse Universe

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



63.3039, 41.5282, 95.1256



63.1474, 37.5219, 98.5220



56.0093, 38.6926, 52.9955



17.9640, 17.5096, 21.8182



29.3258, 14.0607, 49.1419

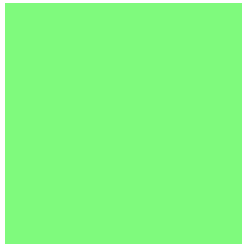


2.7246, 1.3067, 4.5518



# Previews

## White Background



This preview shows how the XYZ color 46.6397, 74.3639, 31.2975 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

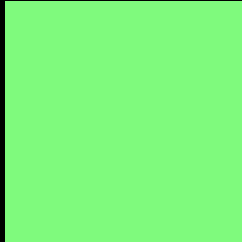
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 46.6397, 74.3639, 31.2975 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

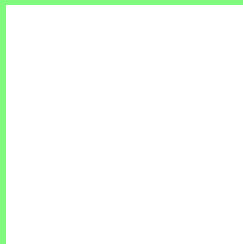
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 46.6397, 74.3639, 31.2975**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.6397, 74.3639, 31.2975.



This preview shows how white text looks on a background with the XYZ color 46.6397, 74.3639,



# 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

46.6397, 74.3639, 31.2975

### Protanopia

66.9299, 72.9160, 27.0696

### Deuteranopia

73.0516, 73.2740, 48.3233



## Tritanopia

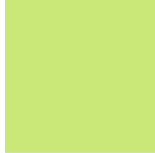
61.3719, 74.0809, 105.6722

# Trichromacy



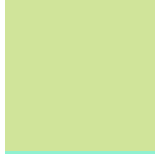
## Original Color

46.6397, 74.3639, 31.2975



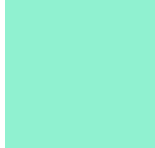
## Protanomaly

56.5435, 71.6017, 28.2931



## Deuteranomaly

59.5886, 71.2298, 41.1799



## Tritanomaly

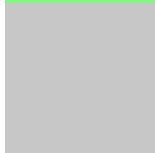
54.3421, 73.3940, 70.9768

# Monochromacy



## Original Color

46.6397, 74.3639, 31.2975



## Achromatopsia

54.2854, 57.1125, 62.1955



## Achromatomaly

49.7514, 62.0056, 48.3758

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.6397, 74.3639, 31.2975 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(127, 250, 125)` looks like.

```
.text, #text, p{  
    color:rgb(127, 250, 125)  
}
```

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(127, 250, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 250, 125) }
```

## Border

The CSS property to change the border of an element to XYZ 46.6397, 74.3639, 31.2975 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(127, 250, 125) }
```



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

```
.border{ border-color:rgb(127, 250, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 250, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 250, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 250, 125);  
box-shadow:4px 4px 4px 4px rgb(127, 250,  
125) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.6397, 74.3639, 31.2975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 250, 125) }
```

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

```
.background{ background-color: rgb(127,  
250, 125) }
```

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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