

Converting Colors

XYZ(46.4054, 76.5949, 31.0774)

Have a look what the booklet for
XYZ(46.4054, 76.5949, 31.0774)
contains.

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Color

**XYZ(46.4054, 76.5949,
31.0774)**

Conversions

Conversions Part 1

Format	Color
Hex	73FF7B
RGB	115, 255, 123
RGB Percent	45%, 100%, 48%
CMY	0.5490, 0.0000, 0.5176
CMYK	0.55, 0.00, 0.52, 0.00
HSL	123°, 100%, 73%
HSV	123°, 55%, 100%
XYZ	46.4054, 76.5949, 31.0774
YIQ	198.0920, -41.0680, -70.7320

Conversions

Conversions Part 2

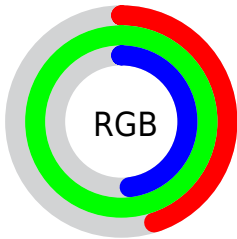
Format	Color
RYB	115, 247, 255
Decimal	7602043
CIELab	90.13, -63.76, 51.31
CIElCh	90, 81.845, 141.177
Yxy	76.5949, 0.3012, 0.4971
Android (android.graphics.Color)	4285792123 (0xFF73FF7B)
YUV	198.0920, -37.0204, -72.8717
Hunter-Lab	87.5185, -58.5104, 40.2094

Details

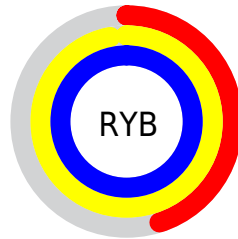
The XYZ color **46.4054, 76.5949, 31.0774** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **64.1590, 40.2370, 92.3785**, and the grayscale version is **53.9684, 56.7789, 61.8323**.

A 20% lighter version of the original color is **61.7004, 83.9645, 55.0743**, and **22.1104, 40.9102, 12.5255** is the 20% darker color. If you saturate the color by 10%, you get **42.1784, 74.5688, 23.9649**, and if you desaturate by 10%, it is **51.9299, 79.2471, 40.1820**.

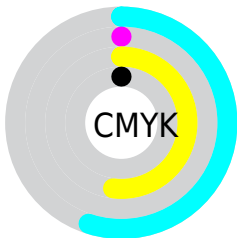
Distribution



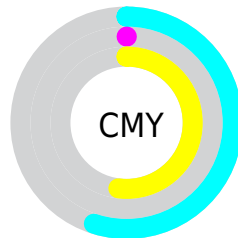
- Red (45%)
- Green (100%)
- Blue (48%)



- Red (45%)
- Yellow (97%)
- Blue (100%)



- Cyan (55%)
- Magenta (0%)
- Yellow (52%)
- Black (0%)





- Cyan (55%)
- Magenta (0%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.4054, 76.5949, 31.0774 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 46.4054, 76.5949, 31.0774 by changing the saturation by 10% instead.


 46.4054, 76.5949,
31.0774

 46.4054, 76.5949,
31.0774


363.1248,
483.3817, 321.2570

 32.7718, 56.9205,
20.3988


 84.0495, 128.5675,
62.4429

 22.1101, 40.9414,
12.4983


 108.7908,
161.6344, 83.9669

 14.0549, 28.2733,
6.9574


 137.9654,
199.9343, 109.9432

 8.2408, 18.5318,
3.3574

171.9386,
243.8515, 140.7902

 4.3025, 11.3324,
1.2799

211.0758,
293.7705, 176.9266

 1.8747, 6.2909,
0.0452

255.7423,

 0.5620, 3.0228,

350.0756, 218.7708

0.0000

306.3035,
413.1512, 266.7414

0.0000, 1.1436,
0.0000

0.0000, 0.0149,
0.0000

46.4054, 76.5949,
31.0774

46.4054, 76.5949,
31.0774

42.1784, 74.5688,
23.9649

51.9299, 79.2471,
40.1820

39.1417, 73.1169,
18.6921


58.8452, 82.5708,
51.4086


37.1728, 72.1796,
15.0906

67.2372, 86.6075,
64.8805

36.1219, 71.6839,
12.9595

77.1846, 91.3955,
80.7105

 35.8432, 71.5533,
12.3583

 88.7604, 96.9701,
99.0037

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.



59.5783, 76.5949, 16.5211



46.4054, 76.5949, 31.0774



40.6138, 76.5949, 67.3859

Triad

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



46.4054, 76.5949, 31.0774



66.9711, 76.5949, 250.0506



115.6519, 76.5949, 49.1532

Complementary

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



46.4054, 76.5949, 31.0774



64.1590, 40.2370, 92.3785

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.



118.6404, 76.5949, 101.7666



46.4054, 76.5949, 31.0774



87.8485, 76.5949, 237.3129

Square

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



46.4054, 76.5949, 31.0774



50.9502, 76.5949, 204.4895



107.6830, 76.5949, 175.0615



100.1468, 76.5949, 23.0669

Rectangle

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



46.4054, 76.5949, 31.0774



40.8031, 76.5949, 107.0258



107.6830, 76.5949, 175.0615



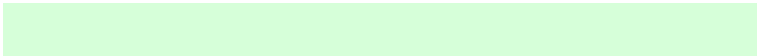
118.2547, 76.5949, 63.5332

Sweetspot

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



46.4058, 76.5951, 31.0786



76.0136, 90.8317, 78.8530



77.5660, 92.7143, 30.0275



15.8116, 19.2210, 16.1498



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.



46.4058, 76.5951, 31.0786



41.7886, 74.3823, 23.2986



52.3449, 78.9707, 62.3535



17.8137, 20.1850, 19.3217



18.7454, 37.3947, 6.5445



1.8393, 3.6466, 0.7116

Inverse Universe

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



64.1590, 40.2370, 92.3785



61.1634, 34.6437, 90.1536



55.4068, 36.7361, 46.2903



18.7452, 18.2814, 22.5413



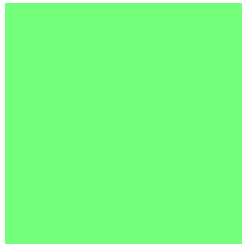
29.8194, 14.4171, 44.5610



2.9165, 1.4090, 4.4079

Previews

White Background



This preview shows how the XYZ color 46.4054, 76.5949, 31.0774 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 46.4054, 76.5949, 31.0774 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

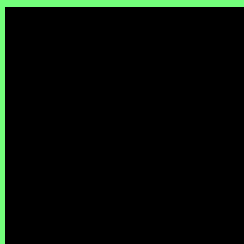
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

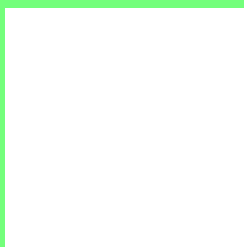
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.4054, 76.5949, 31.0774

Background



This preview shows how black text looks on a background with the XYZ color 46.4054, 76.5949, 31.0774.

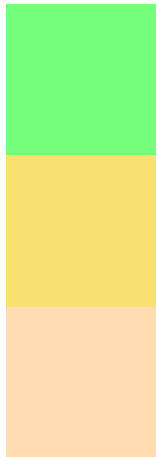


This preview shows how white text looks on a background with the XYZ color 46.4054, 76.5949,

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

46.4054, 76.5949, 31.0774

Protanopia

68.9728, 75.1824, 26.4992

Deuteranopia

74.5073, 75.0974, 52.1633



Tritanopia

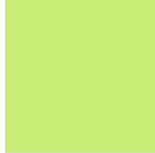
63.3225, 75.9461, 105.9294

Trichromacy



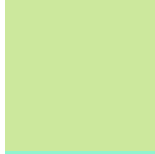
Original Color

46.4054, 76.5949, 31.0774



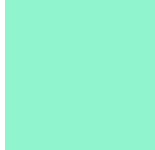
Protanomaly

57.0258, 73.5546, 28.0215



Deuteranomaly

59.8443, 72.9849, 42.8317



Tritanomaly

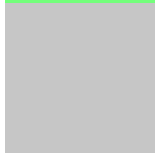
55.1148, 75.1357, 70.6293

Monochromacy



Original Color

46.4054, 76.5949, 31.0774



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

48.8307, 61.9281, 47.9078

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4054, 76.5949, 31.0774 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(115, 255, 123)` looks like.

```
.text, #text, p{  
    color:rgb(115, 255, 123)  
}
```

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(115, 255, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 255, 123) }
```

Border

The CSS property to change the border of an element to XYZ 46.4054, 76.5949, 31.0774 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(115, 255, 123) }
```


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

```
.border{ border-color:rgb(115, 255, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 255, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 255, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 255, 123);  
box-shadow:4px 4px 4px 4px rgb(115, 255,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4054, 76.5949, 31.0774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 255, 123) }
```

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

```
.background{ background-color: rgb(115,  
255, 123) }
```

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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