

Converting Colors

XYZ(46.8124, 76.9349, 25.2146)

Have a look what the booklet for
XYZ(46.8124, 76.9349, 25.2146)
contains.

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Color

**XYZ(46.8124, 76.9349,
25.2146)**

Conversions

Conversions Part 1

Format	Color
Hex	7EFF67
RGB	126, 255, 103
RGB Percent	49%, 100%, 40%
CMY	0.5059, 0.0000, 0.5961
CMYK	0.51, 0.00, 0.60, 0.00
HSL	111°, 100%, 70%
HSV	111°, 60%, 100%
XYZ	46.8124, 76.9349, 25.2146
YIQ	199.1010, -28.0920, -74.6200

Conversions

Conversions Part 2

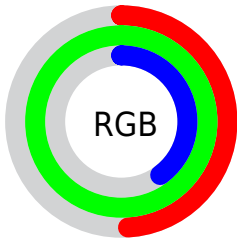
Format	Color
RYB	103, 255, 232
Decimal	8322919
CIELab	90.29, -63.29, 60.44
CIElCh	90, 87.518, 136.319
Yxy	76.9349, 0.3143, 0.5165
Android (android.graphics.Color)	4286512999 (0xFF7EFF67)
YUV	199.1010, -47.3778, -64.1096
Hunter-Lab	87.7125, -58.2311, 44.3548

Details

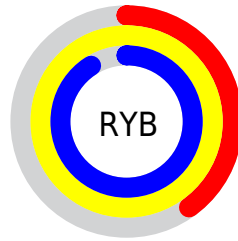
The XYZ color **46.8124, 76.9349, 25.2146** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **56.1806, 34.0778, 98.2244**, and the grayscale version is **54.6412, 57.4868, 62.6032**.

A 20% lighter version of the original color is **62.4251, 84.5534, 45.3780**, and **22.3229, 41.0904, 9.3395** is the 20% darker color. If you saturate the color by 10%, you get **42.8681, 75.0275, 19.3373**, and if you desaturate by 10%, it is **51.8378, 79.3545, 33.1814**.

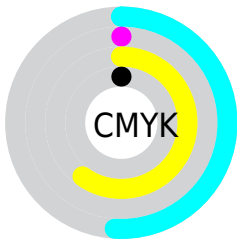
Distribution



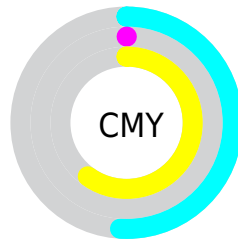
- Red (49%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (91%)



- Cyan (51%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)




- Cyan (51%)
- Magenta (0%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.8124, 76.9349, 25.2146 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 46.8124, 76.9349, 25.2146 by changing the saturation by 10% instead.


 46.8124, 76.9349,
25.2146

 46.8124, 76.9349,
25.2146


364.7266,
484.5420, 292.3868

 33.0947, 57.1994,
16.0165


 84.6540, 129.0476,
52.9736


 22.3586, 41.1654,
9.3814


 109.5086,
162.1936, 72.3716

 14.2387, 28.4483,
4.8906


 138.8061,
200.5786, 96.0067

 8.3697, 18.6639,
2.1256

 172.9121,
244.5870, 124.2973

 4.3862, 11.4277,
0.6309

212.1918,
294.6031, 157.6621

 1.9228, 6.3553,
0.0000

257.0105,

 0.5901, 3.0623,

351.0114, 196.5196

0.0000

307.7337,
414.1962, 241.2883

0.0000, 1.1643,
0.0000

0.0000, 0.0323,
0.0000

46.8124, 76.9349,
25.2146

46.8124, 76.9349,
25.2146

42.8681, 75.0275,
19.3373

51.8378, 79.3545,
33.1814

39.9223, 73.5941,
15.3503


58.0164, 82.3198,
43.4053


37.8812, 72.5913,
13.0221

65.4152, 85.8620,
56.0411

36.6187, 71.9620,
11.9889

74.0956, 90.0097,
71.2288

 36.5809, 71.9432,
11.9584

 84.1147, 94.7896,
89.0978

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.



61.9703, 76.9349, 13.3142



46.8124, 76.9349, 25.2146



39.4975, 76.9349, 58.4691

Triad

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



46.8124, 76.9349, 25.2146



63.6540, 76.9349, 262.8542



121.1649, 76.9349, 54.3697

Complementary

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



46.8124, 76.9349, 25.2146



56.1806, 34.0778, 98.2244

Split Complementary

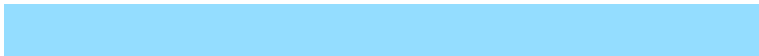
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



121.8654, 76.9349, 115.4813



46.8124, 76.9349, 25.2146



85.5424, 76.9349, 259.8013

Square

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



46.8124, 76.9349, 25.2146



47.8330, 76.9349, 203.9891



107.8096, 76.9349, 196.9994



106.0522, 76.9349, 23.5004

Rectangle

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



46.8124, 76.9349, 25.2146



38.8810, 76.9349, 97.6845



107.8096, 76.9349, 196.9994



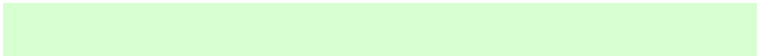
123.1835, 76.9349, 71.2421

Sweetspot

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



46.8127, 76.9350, 25.2158



75.6131, 90.7341, 73.9147



71.8927, 78.6480, 24.2246



15.6013, 19.1425, 14.7901



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.



46.8127, 76.9350, 25.2158



42.0753, 74.6428, 18.2187



47.1593, 76.7259, 42.7518



18.0273, 20.3000, 19.1125



19.1902, 37.6310, 6.2521



1.9401, 3.7009, 0.6121

Inverse Universe

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



56.1806, 34.0778, 98.2244



52.0774, 28.1446, 97.2954



57.0300, 35.3371, 61.1524



18.5068, 18.1530, 22.7784



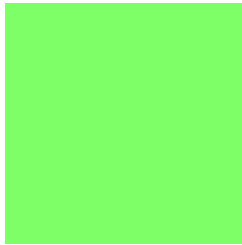
24.3958, 11.4870, 50.3660



2.4453, 1.1545, 4.9072

Previews

White Background



This preview shows how the XYZ color 46.8124, 76.9349, 25.2146 looks on a white background.

Color Contrast Check

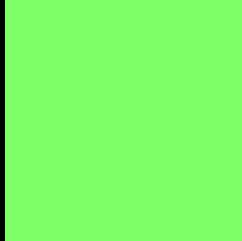
Large Text (above 18pt) WCAG AA × Fail

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 46.8124, 76.9349, 25.2146 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

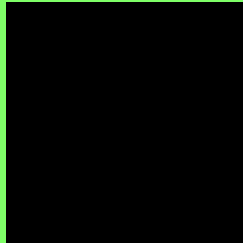
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.8124, 76.9349, 25.2146

Background



This preview shows how black text looks on a background with the XYZ color 46.8124, 76.9349, 25.2146.

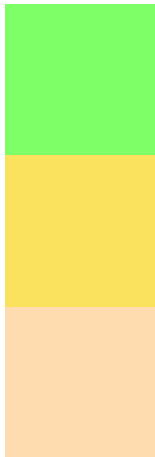


This preview shows how white text looks on a background with the XYZ color 46.8124, 76.9349,

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

46.8124, 76.9349, 25.2146

Protanopia

69.0004, 75.7101, 21.5665

Deuteranopia

74.6697, 75.5810, 51.7274



Tritanopia

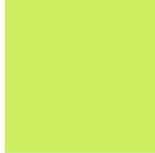
64.3504, 76.4761, 105.9775

Trichromacy



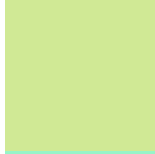
Original Color

46.8124, 76.9349, 25.2146



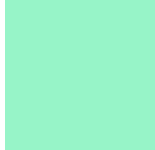
Protanomaly

57.8955, 74.5533, 22.6481



Deuteranomaly

60.5762, 73.8576, 39.4970



Tritanomaly

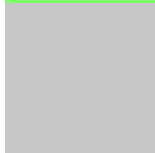
55.5385, 75.4508, 66.2799

Monochromacy



Original Color

46.8124, 76.9349, 25.2146



Achromatopsia

54.2854, 57.1125, 62.1955



Achromatomaly

49.0456, 62.1140, 44.5262

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8124, 76.9349, 25.2146 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(126, 255, 103)` looks like.

```
.text, #text, p{  
    color:rgb(126, 255, 103)  
}
```

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(126, 255, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 255, 103) }
```

Border

The CSS property to change the border of an element to XYZ 46.8124, 76.9349, 25.2146 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(126, 255, 103) }
```


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

```
.border{ border-color:rgb(126, 255, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 255, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 255, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 255, 103);  
box-shadow:4px 4px 4px 4px rgb(126, 255,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8124, 76.9349, 25.2146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 255, 103) }
```

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

```
.background{ background-color: rgb(126,  
255, 103) }
```

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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