

Converting Colors

XYZ(51.6578, 87.6804, 28.5269)

Have a look what the booklet for
XYZ(51.6578, 87.6804, 28.5269)
contains.

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Color

**XYZ(46.0745, 76.5246,
26.5297)**

Conversions

Conversions Part 1

Format	Color
Hex	77FF6C
RGB	119, 255, 108
RGB Percent	47%, 100%, 42%
CMY	0.5333, 0.0000, 0.5765
CMYK	0.53, 0.00, 0.58, 0.00
HSL	116°, 100%, 71%
HSV	116°, 58%, 100%
XYZ	46.0745, 76.5246, 26.5297
YIQ	197.5780, -33.8690, -74.5490

Conversions

Conversions Part 2

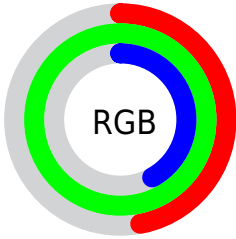
Format	Color
R_{YB}	108, 255, 244
Decimal	7864172
CIE Lab	90.10, -64.56, 58.02
CIE LCh	90, 86.801, 138.056
Yxy	76.5246, 0.3090, 0.5131
Android (android.graphics.Color)	4286054252 (0xFF77FF6C)
YUV	197.5780, -44.1620, -68.9129
Hunter-Lab	87.4783, -59.0718, 43.2539

Details

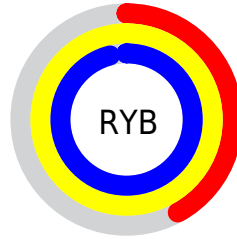
The XYZ color **46.0745, 76.5246, 26.5297** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **60.7225, 37.1798, 98.5837**, and the grayscale version is **53.6945, 56.4907, 61.5184**.

A 20% lighter version of the original color is **61.1932, 83.8676, 47.6132**, and **21.8755, 40.8425, 10.0986** is the 20% darker color. If you saturate the color by 10%, you get **42.0641, 74.5917, 20.2643**, and if you desaturate by 10%, it is **51.2859, 79.0308, 34.9248**.

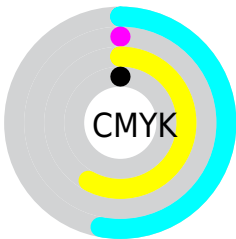
Distribution



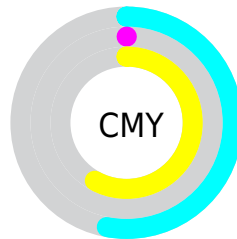
- Red (47%)
- Green (100%)
- Blue (42%)



- Red (42%)
- Yellow (100%)
- Blue (96%)



- Cyan (53%)
- Magenta (0%)
- Yellow (58%)
- Black (0%)





- Cyan (53%)
- Magenta (0%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.0745, 76.5246, 26.5297 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 46.0745, 76.5246, 26.5297 by changing the saturation by 10% instead.


 46.0745, 76.5246,
26.5297


 46.0745, 76.5246,
26.5297


361.8190,
483.1416, 299.0605


 32.5095, 56.8628,
16.9910


 83.5577, 128.4682,
55.1228


 21.9084, 40.8951,
10.0662


 108.2065,
161.5187, 75.0143

 13.9058, 28.2371,
5.3367


 137.2807,
199.8010, 99.1938

 8.1365, 18.5045,
2.3840

 171.1456,
243.6994, 128.0799

 4.2349, 11.3128,
0.7777

210.1665,
293.5982, 162.0910

 1.8359, 6.2776,
0.0000

254.7088,

 0.5391, 3.0146,

349.8819, 201.6458

0.0000

305.1378,
412.9349, 247.1628

0.0000, 1.1394,
0.0000

0.0000, 0.0113,
0.0000

46.0745, 76.5246,
26.5297

46.0745, 76.5246,
26.5297

42.0641, 74.5917,
20.2643

51.2859, 79.0308,
34.9248

39.1574, 73.1861,
15.9340


57.7832, 82.1504,
45.6139


37.2435, 72.2554,
13.3152

65.6444, 85.9204,
58.7495

36.1848, 71.7352,
12.1116

74.9415, 90.3749,
74.4698

 36.0300, 71.6592,
11.9326

 85.7410, 95.5454,
92.9028

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.



60.6385, 76.5246, 13.7779



46.0745, 76.5246, 26.5297



39.2747, 76.5246, 61.1073

Triad

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



46.0745, 76.5246, 26.5297



64.4956, 76.5246, 261.5647



119.6416, 76.5246, 51.7019

Complementary

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



46.0745, 76.5246, 26.5297



60.7225, 37.1798, 98.5837

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.



121.2412, 76.5246, 110.3582



46.0745, 76.5246, 26.5297



86.3404, 76.5246, 254.6101

Square

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



46.0745, 76.5246, 26.5297



48.4161, 76.5246, 206.3398



108.0913, 76.5246, 190.4010



104.0760, 76.5246, 22.5748

Rectangle

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



46.0745, 76.5246, 26.5297



38.9520, 76.5246, 101.0736



108.0913, 76.5246, 190.4010



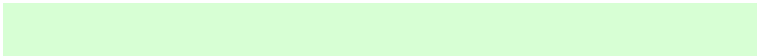
121.9285, 76.5246, 67.7815

Sweetspot

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



46.0748, 76.5248, 26.5309



75.5924, 90.6867, 75.5763



75.9229, 86.2947, 26.8435



15.7506, 19.2051, 15.4472



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.



46.0748, 76.5248, 26.5309



41.6080, 74.3715, 19.5689



49.1300, 77.5825, 50.0460



17.8974, 20.2330, 19.1064



18.8713, 37.4666, 6.2372



1.8790, 3.6694, 0.6092

Inverse Universe

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



60.7225, 37.1798, 98.5837



57.4118, 31.6677, 97.6943



56.3127, 35.8699, 54.8485



18.6507, 18.2272, 22.7851



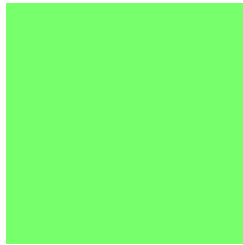
27.5500, 13.1130, 50.5136



2.7208, 1.2966, 4.9201

Previews

White Background



This preview shows how the XYZ color 46.0745, 76.5246, 26.5297 looks on a white background.

Color Contrast Check

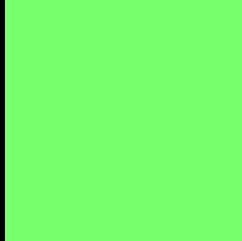
Large Text (above 18pt) WCAG AA × Fail

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 46.0745, 76.5246, 26.5297 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

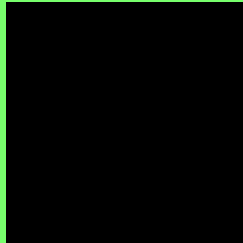
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.0745, 76.5246, 26.5297

Background



This preview shows how black text looks on a background with the XYZ color 46.0745, 76.5246, 26.5297.

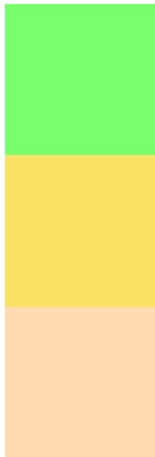


This preview shows how white text looks on a background with the XYZ color 46.0745, 76.5246,

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

46.0745, 76.5246, 26.5297

Protanopia

68.6017, 75.0753, 22.6797

Deuteranopia

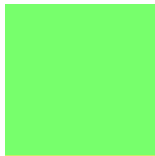
74.3094, 75.0182, 51.1209



Tritanopia

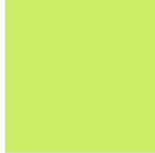
63.5248, 76.0505, 105.9388

Trichromacy



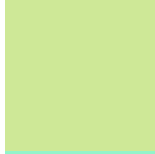
Original Color

46.0745, 76.5246, 26.5297



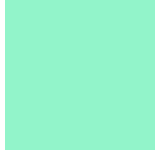
Protanomaly

56.7508, 73.5068, 23.7675



Deuteranomaly

59.8961, 73.0694, 40.2251



Tritanomaly

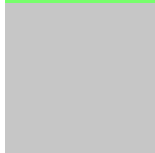
54.8654, 75.0766, 67.4766

Monochromacy



Original Color

46.0745, 76.5246, 26.5297



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

48.4852, 61.8147, 44.9733

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.0745, 76.5246, 26.5297 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(119, 255, 108)` looks like.

```
.text, #text, p{  
    color:rgb(119, 255, 108)  
}
```

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(119, 255, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 255, 108) }
```

Border

The CSS property to change the border of an element to XYZ 46.0745, 76.5246, 26.5297 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(119, 255, 108) }
```


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

```
.border{ border-color:rgb(119, 255, 108) }
```

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

Here you see how a box with a 4 pixel rgb(119, 255, 108) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 255, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 255, 108);  
box-shadow:4px 4px 4px 4px rgb(119, 255,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 46.0745, 76.5246, 26.5297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 255, 108) }
```

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

```
.background{ background-color: rgb(119,  
255, 108) }
```

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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