

Converting Colors

XYZ(47.5913, 78.2713, 25.5520)

Have a look what the booklet for
XYZ(47.5913, 78.2713, 25.5520)
contains.

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Color

**XYZ(46.9606, 77.0113,
25.2216)**

Conversions

Conversions Part 1

Format	Color
Hex	7FFF67
RGB	127, 255, 103
RGB Percent	50%, 100%, 40%
CMY	0.5020, 0.0000, 0.5961
CMYK	0.50, 0.00, 0.60, 0.00
HSL	111°, 100%, 70%
HSV	111°, 60%, 100%
XYZ	46.9606, 77.0113, 25.2216
YIQ	199.4000, -27.4960, -74.4080

Conversions

Conversions Part 2

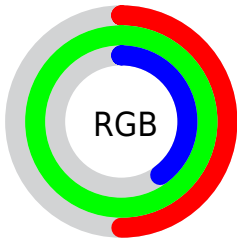
Format	Color
RYB	103, 255, 231
Decimal	8388455
CIELab	90.33, -63.03, 60.49
CIELCh	90, 87.361, 136.176
Yxy	77.0113, 0.3148, 0.5162
Android (android.graphics.Color)	4286578535 (0xFF7FFF67)
YUV	199.4000, -47.5252, -63.4948
Hunter-Lab	87.7561, -58.0531, 44.3890

Details

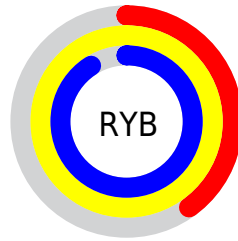
The XYZ color **46.9606, 77.0113, 25.2216** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **55.8571, 33.9110, 98.2092**, and the grayscale version is **54.8256, 57.6808, 62.8144**.

A 20% lighter version of the original color is **62.6706, 84.6800, 45.3895**, and **22.3839, 41.1219, 9.3423** is the 20% darker color. If you saturate the color by 10%, you get **43.0052, 75.0982, 19.3438**, and if you desaturate by 10%, it is **51.9884, 79.4321, 33.1885**.

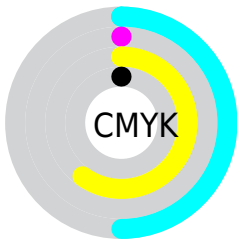
Distribution



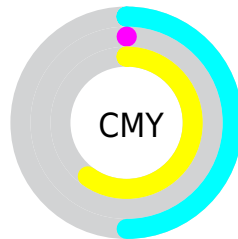
- Red (50%)
- Green (100%)
- Blue (40%)



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



- Cyan (50%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)




- Cyan (50%)
- Magenta (0%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.9606, 77.0113, 25.2216 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 46.9606, 77.0113, 25.2216 by changing the saturation by 10% instead.


 46.9606, 77.0113,
25.2216

 46.9606, 77.0113,
25.2216


365.3088,
484.8026, 292.4227


 33.2123, 57.2621,
16.0217


 84.8739, 129.1554,
52.9851


 22.4492, 41.2157,
9.3850


 109.7697,
162.3192, 72.3857

 14.3058, 28.4877,
4.8929


 139.1119,
200.7233, 96.0237

 8.4168, 18.6936,
2.1269

 173.2661,
244.7521, 124.3176

 4.4168, 11.4491,
0.6317

212.5975,
294.7901, 157.6859

 1.9405, 6.3698,
0.0000

257.4715,

 0.6002, 3.0712,

351.2215, 196.5471

0.0000

308.2535,
414.4309, 241.3199

■ 0.0000, 1.1690,
0.0000

■ 0.0000, 0.0362,
0.0000

■ 46.9606, 77.0113,
25.2216

■ 46.9606, 77.0113,
25.2216

■ 43.0052, 75.0982,
19.3438

■ 51.9884, 79.4321,
33.1885

■ 40.0408, 73.6552,
15.3559

■ 58.1597, 82.3936,
43.4121

■ 37.9752, 72.6398,
13.0265

■ 65.5403, 85.9265,
56.0471

■ 36.6841, 71.9957,
11.9920

■ 74.1909, 90.0588,
71.2334

■ 36.6451, 71.9763,
11.9614

■ 84.1678, 94.8170,
89.1004

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.



62.1443, 77.0113, 13.3747



46.9606, 77.0113, 25.2216



39.6107, 77.0113, 58.3458

Triad

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



46.9606, 77.0113, 25.2216



63.6438, 77.0113, 262.4315



121.2065, 77.0113, 54.6936

Complementary

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



46.9606, 77.0113, 25.2216



55.8571, 33.9110, 98.2092

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.



121.8298, 77.0113, 115.8820



46.9606, 77.0113, 25.2216



85.4880, 77.0113, 259.7167

Square

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



46.9606, 77.0113, 25.2216



47.8699, 77.0113, 203.4832



107.7395, 77.0113, 197.2661



106.1755, 77.0113, 23.6920

Rectangle

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



46.9606, 77.0113, 25.2216



38.9703, 77.0113, 97.4208



107.7395, 77.0113, 197.2661



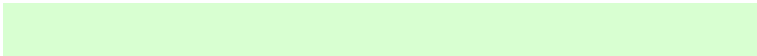
123.1966, 77.0113, 71.6059

Sweetspot

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



46.9609, 77.0114, 25.2228



75.7024, 90.7801, 73.9189



71.8928, 78.6481, 24.2246



15.6226, 19.1535, 14.7911



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.



46.9609, 77.0114, 25.2228



42.2085, 74.7114, 18.2249



47.1593, 76.7259, 42.7519



18.0385, 20.3058, 19.1130



19.2264, 37.6497, 6.2538



1.9453, 3.7036, 0.6123

Inverse Universe

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



55.8571, 33.9110, 98.2092



51.6974, 27.9486, 97.2776



57.0300, 35.3371, 61.1525



18.4944, 18.1466, 22.7778



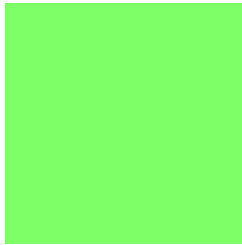
24.1409, 11.3556, 50.3541



2.4228, 1.1429, 4.9062

Previews

White Background



This preview shows how the XYZ color 46.9606, 77.0113, 25.2216 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 46.9606, 77.0113, 25.2216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

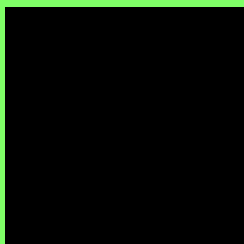
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

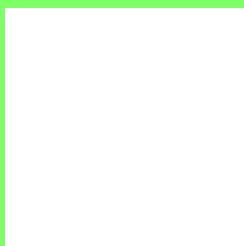
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.9606, 77.0113, 25.2216

Background



This preview shows how black text looks on a background with the XYZ color 46.9606, 77.0113, 25.2216.

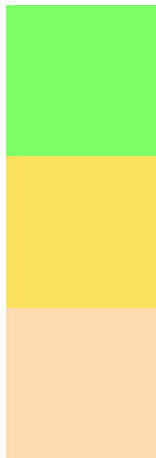


This preview shows how white text looks on a background with the XYZ color 46.9606, 77.0113,

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

46.9606, 77.0113, 25.2216

Protanopia

69.0004, 75.7101, 21.5665

Deuteranopia

74.7690, 75.6207, 52.2505



Tritanopia

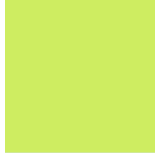
64.5609, 76.5846, 105.9873

Trichromacy



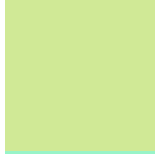
Original Color

46.9606, 77.0113, 25.2216



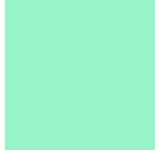
Protanomaly

57.8955, 74.5533, 22.6481



Deuteranomaly

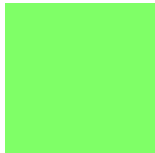
60.6564, 73.8897, 39.9194



Tritanomaly

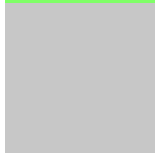
55.7249, 75.5469, 66.2886

Monochromacy



Original Color

46.9606, 77.0113, 25.2216



Achromatopsia

54.2854, 57.1125, 62.1955



Achromatomaly

49.2659, 62.2276, 44.5365

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9606, 77.0113, 25.2216 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, 255, 103)` looks like.

```
.text, #text, p{  
    color:rgb(127, 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(127, 255, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 255, 103) }
```

Border

The CSS property to change the border of an element to XYZ 46.9606, 77.0113, 25.2216 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, 255, 103) }
```


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

```
.border{ border-color:rgb(127, 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(127, 255, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 255, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 255, 103);  
box-shadow:4px 4px 4px 4px rgb(127, 255,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9606, 77.0113, 25.2216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 255, 103) }
```

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

```
.background{ background-color: rgb(127,  
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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