

Converting Colors

XYZ(46.3876, 76.6982, 25.9950)

Have a look what the booklet for
XYZ(46.3876, 76.6982, 25.9950)
contains.

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Color

**XYZ(46.3876, 76.6982,
25.9950)**

Conversions

Conversions Part 1

Format	Color
Hex	7AFF6A
RGB	122, 255, 106
RGB Percent	48%, 100%, 42%
CMY	0.5216, 0.0000, 0.5843
CMYK	0.52, 0.00, 0.58, 0.00
HSL	114°, 100%, 71%
HSV	114°, 58%, 100%
XYZ	46.3876, 76.6982, 25.9950
YIQ	198.2470, -31.4390, -74.5350

Conversions

Conversions Part 2

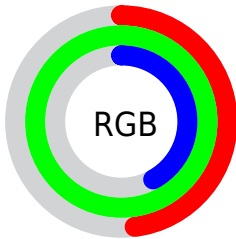
Format	Color
RYB	106, 255, 239
Decimal	8060778
CIELab	90.18, -64.02, 59.00
CIELCh	90, 87.062, 137.336
Yxy	76.6982, 0.3112, 0.5145
Android (android.graphics.Color)	4286250858 (0xFF7AFF6A)
YUV	198.2470, -45.4778, -66.8686
Hunter-Lab	87.5775, -58.7137, 43.7056

Details

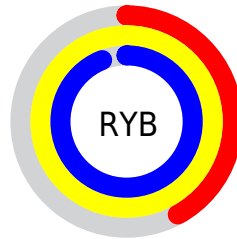
The XYZ color **46.3876, 76.6982, 25.9950** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **58.8022, 35.8803, 98.4341**, and the grayscale version is **54.1087, 56.9265, 61.9930**.

A 20% lighter version of the original color is **61.7215, 84.1605, 46.7097**, and **22.0633, 40.9471, 9.7583** is the 20% darker color. If you saturate the color by 10%, you get **42.3984, 74.7728, 19.8854**, and if you desaturate by 10%, it is **51.5264, 79.1706, 34.2181**.

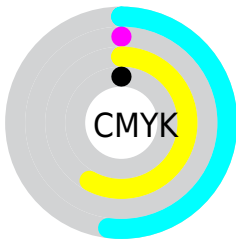
Distribution



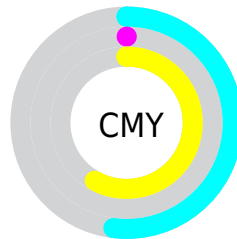
- Red (48%)
- Green (100%)
- Blue (42%)



- Red (42%)
- Yellow (100%)
- Blue (94%)



- Cyan (52%)
- Magenta (0%)
- Yellow (58%)
- Black (0%)





- Cyan (52%)
- Magenta (0%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.3876, 76.6982, 25.9950 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 46.3876, 76.6982, 25.9950 by changing the saturation by 10% instead.


 46.3876, 76.6982,
25.9950

 46.3876, 76.6982,
25.9950


363.0546,
483.7344, 296.3622


 32.7577, 57.0052,
16.5942


 84.0231, 128.7134,
54.2509


 22.0992, 41.0094,
9.7867


 108.7594,
161.8043, 73.9430

 14.0469, 28.3264,
5.1540


 137.9286,
200.1301, 97.9026

 8.2352, 18.5719,
2.2776

 171.8959,
244.0750, 126.5483

 4.2989, 11.3613,
0.7186

211.0269,
294.0235, 160.2985

 1.8726, 6.3104,
0.0000

255.6867,

 0.5608, 3.0347,

350.3600, 199.5719

0.0000

306.2409,
413.4688, 244.7870

0.0000, 1.1499,
0.0000

0.0000, 0.0202,
0.0000

46.3876, 76.6982,
25.9950

46.3876, 76.6982,
25.9950

42.3984, 74.7728,
19.8854

51.5264, 79.1706,
34.2181

39.4682, 73.3520,
15.6931

57.8937, 82.2273,
44.7203

37.4941, 72.3876,
13.1914

65.5628, 85.9025,
57.6550

36.3456, 71.8193,
12.0619

74.6007, 90.2279,
73.1611

■ 36.2220, 71.7582,
11.9416

■ 85.0698, 95.2328,
91.3671

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.



61.1924, 76.6982, 13.5966



46.3876, 76.6982, 25.9950



39.3771, 76.6982, 60.0200

Triad

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



46.3876, 76.6982, 25.9950



64.1541, 76.6982, 262.0347



120.2583, 76.6982, 52.8024

Complementary

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



46.3876, 76.6982, 25.9950



58.8022, 35.8803, 98.4341

Split Complementary

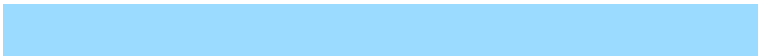
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



121.4880, 76.6982, 112.4489



46.3876, 76.6982, 25.9950



86.0116, 76.6982, 256.6834

Square

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



46.3876, 76.6982, 25.9950



48.1845, 76.6982, 205.3313



107.9693, 76.6982, 193.0718



104.8831, 76.6982, 22.9663

Rectangle

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



46.3876, 76.6982, 25.9950



38.9334, 76.6982, 99.6674



107.9693, 76.6982, 193.0718



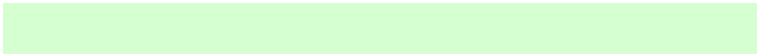
122.4343, 76.6982, 69.2029

Sweetspot

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



46.3879, 76.6983, 25.9962



75.0207, 90.4288, 73.8870



74.3049, 83.2271, 25.7850



15.4598, 19.0695, 14.7835



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.



46.3879, 76.6983, 25.9962



41.8706, 74.5174, 19.1055



48.3259, 77.2331, 47.0668



17.9525, 20.2614, 19.1090



18.9848, 37.5251, 6.2425



1.9050, 3.6828, 0.6105

Inverse Universe

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



58.8022, 35.8803, 98.4341



55.2066, 30.2628, 97.5393



56.5742, 35.6409, 57.2541



18.5892, 18.1955, 22.7823



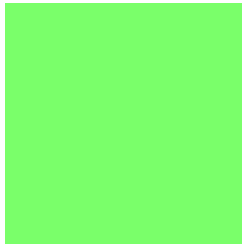
26.1645, 12.3988, 50.4488



2.6003, 1.2344, 4.9145

Previews

White Background



This preview shows how the XYZ color 46.3876, 76.6982, 25.9950 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 46.3876, 76.6982, 25.9950 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

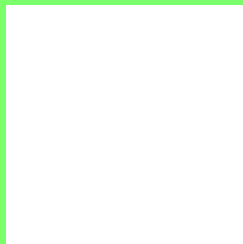
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.3876, 76.6982, 25.9950

Background



This preview shows how black text looks on a background with the XYZ color 46.3876, 76.6982, 25.9950.



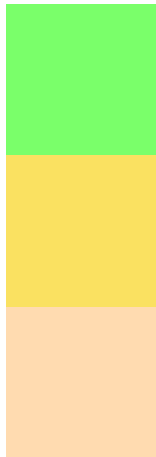
This preview shows how white text looks on a background with the XYZ color 46.3876, 76.6982,

25.9950.

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

46.3876, 76.6982, 25.9950

Protanopia

68.5072, 75.0375, 22.1822

Deuteranopia

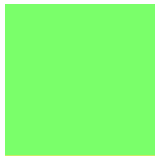
74.4080, 75.0576, 51.6401



Tritanopia

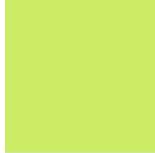
63.9344, 76.2616, 105.9580

Trichromacy



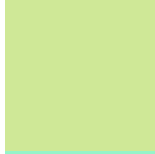
Original Color

46.3876, 76.6982, 25.9950



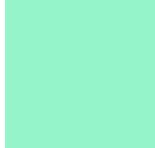
Protanomaly

56.9243, 73.6075, 23.2640



Deuteranomaly

60.1747, 73.2130, 40.2381



Tritanomaly

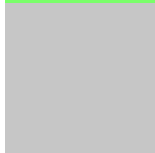
55.2877, 75.3080, 66.8803

Monochromacy



Original Color

46.3876, 76.6982, 25.9950



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

48.7006, 61.9257, 44.9834

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3876, 76.6982, 25.9950 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(122, 255, 106)` looks like.

```
.text, #text, p{  
    color:rgb(122, 255, 106)  
}
```

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(122, 255, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 255, 106) }
```

Border

The CSS property to change the border of an element to XYZ 46.3876, 76.6982, 25.9950 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(122, 255, 106) }
```


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

```
.border{ border-color:rgb(122, 255, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 255, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 255, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 255, 106);  
box-shadow:4px 4px 4px 4px rgb(122, 255,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3876, 76.6982, 25.9950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 255, 106) }
```

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

```
.background{ background-color: rgb(122,  
255, 106) }
```

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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