

Converting Colors

XYZ(46.6254, 76.4992, 40.5383)

Have a look what the booklet for
XYZ(46.6254, 76.4992, 40.5383)
contains.

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Color

**XYZ(46.6643, 76.5147,
40.7431)**

Conversions

Conversions Part 1

Format	Color
Hex	66FF95
RGB	102, 255, 149
RGB Percent	40%, 100%, 58%
CMY	0.6000, 0.0000, 0.4157
CMYK	0.60, 0.00, 0.42, 0.00
HSL	138°, 100%, 70%
HSV	138°, 60%, 100%
XYZ	46.6643, 76.5147, 40.7431
YIQ	197.1690, -57.1620, -65.4020

Conversions

Conversions Part 2

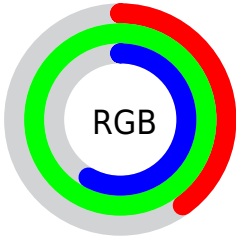
Format	Color
RYB	102, 219, 255
Decimal	6750101
CIELab	90.10, -62.87, 38.81
CIELCh	90, 73.885, 148.317
Yxy	76.5147, 0.2847, 0.4668
Android (android.graphics.Color)	4284940181 (0xFF66FF95)
YUV	197.1690, -23.7473, -83.4632
Hunter-Lab	87.4727, -57.8523, 33.6147

Details

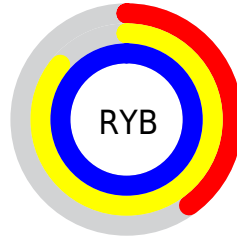
The XYZ color **46.6643, 76.5147, 40.7431** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **57.3767, 35.3172, 63.4668**, and the grayscale version is **53.3368, 56.1145, 61.1086**.

A 20% lighter version of the original color is **62.1761, 83.8790, 70.0400**, and **22.2755, 40.8737, 18.0246** is the 20% darker color. If you saturate the color by 10%, you get **42.9001, 74.7250, 33.7548**, and if you desaturate by 10%, it is **51.5319, 78.8485, 48.9024**.

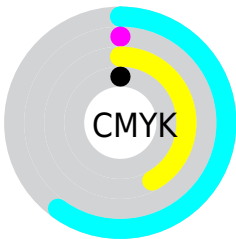
Distribution



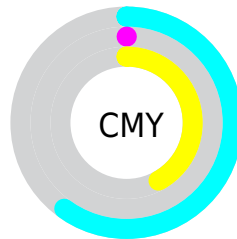
- Red (40%)
- Green (100%)
- Blue (58%)



- Red (40%)
- Yellow (86%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (42%)
- Black (0%)





- Cyan (60%)
- Magenta (0%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.6643, 76.5147, 40.7431 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 46.6643, 76.5147, 40.7431 by changing the saturation by 10% instead.

 46.6643, 76.5147,
40.7431


 46.6643, 76.5147,
40.7431


364.1443,
483.1078, 364.8906


 32.9772, 56.8547,
27.8002


 84.4341, 128.4542,
77.5432

 22.2681, 40.8886,
17.9374


 109.2475,
161.5025, 102.2375

 14.1717, 28.2320,
10.7361


 138.5004,
199.7822, 131.6860

 8.3227, 18.5006,
5.7777

172.5581,
243.6779, 166.3072

 4.3557, 11.3100,
2.6438

211.7860,
293.5739, 206.5198

 1.9053, 6.2758,
0.9149

256.5494,

 0.5799, 3.0135,

349.8546, 252.7421

0.0000

307.2137,
412.9045, 305.3929

0.0000, 1.1388,
0.0000

0.0000, 0.0108,
0.0000

46.6643, 76.5147,
40.7431

46.6643, 76.5147,
40.7431

42.9001, 74.7250,
33.7548

51.5319, 78.8485,
48.9024

40.1439, 73.4313,
27.8791

57.5843, 81.7673,
58.2798

38.2849, 72.5777,
23.0583

64.8965, 85.3089,
68.9243

37.1473, 72.0749,
19.2253

73.5368, 89.5074,
80.8811

■ 37.1472, 72.0749,
19.2250

■ 83.5686, 94.3948,
94.1931

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.



57.2533, 76.5147, 22.2960



46.6643, 76.5147, 40.7431



42.8750, 76.5147, 80.3817

Triad

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



46.6643, 76.5147, 40.7431



71.6946, 76.5147, 230.4394



108.3784, 76.5147, 44.0146

Complementary

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



46.6643, 76.5147, 40.7431



57.3767, 35.3172, 63.4668

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.



113.9547, 76.5147, 86.3117



46.6643, 76.5147, 40.7431



90.7593, 76.5147, 207.5264

Square

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



46.6643, 76.5147, 40.7431



55.7381, 76.5147, 202.1257



107.0334, 76.5147, 148.3754



92.8537, 76.5147, 23.5501

Rectangle

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



46.6643, 76.5147, 40.7431



44.1321, 76.5147, 119.2350



107.0334, 76.5147, 148.3754



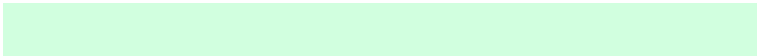
111.5825, 76.5147, 55.4424

Sweetspot

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



46.6648, 76.5149, 40.7444



75.4291, 90.4284, 83.4327



64.4814, 86.0493, 25.7816



15.5593, 19.0704, 17.0669



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.



46.6648, 76.5149, 40.7444



42.2712, 74.4281, 32.4918



54.7487, 79.7485, 83.3135



18.0013, 20.2601, 20.3098



19.4684, 37.6839, 10.3516



1.9419, 3.6877, 1.2520

Inverse Universe

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



57.3767, 35.3172, 63.4668



53.7810, 29.9224, 56.7297



50.1977, 32.4456, 25.6632



18.5411, 18.1998, 21.4666



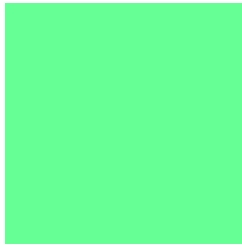
25.7478, 12.7884, 23.1203



2.5559, 1.2647, 2.5087

Previews

White Background



This preview shows how the XYZ color 46.6643, 76.5147, 40.7431 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 46.6643, 76.5147, 40.7431 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

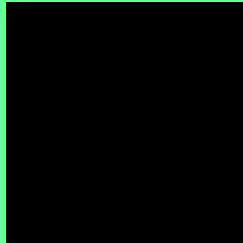
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.6643, 76.5147, 40.7431

Background



This preview shows how black text looks on a background with the XYZ color 46.6643, 76.5147, 40.7431.

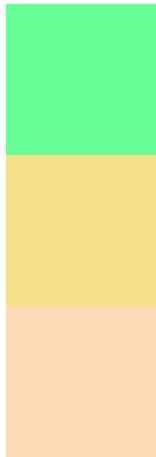


This preview shows how white text looks on a background with the XYZ color 46.6643, 76.5147,

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

46.6643, 76.5147, 40.7431

Protanopia

69.4466, 75.2494, 34.5313

Deuteranopia

74.7549, 74.7802, 54.7500



Tritanopia

62.6268, 76.0209, 105.9805

Trichromacy



Original Color

46.6643, 76.5147, 40.7431



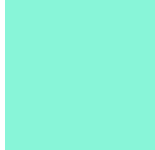
Protanomaly

57.0513, 73.3833, 36.3568



Deuteranomaly

59.3848, 72.1962, 48.8356



Tritanomaly

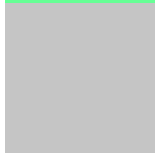
55.2004, 75.4969, 76.6287

Monochromacy



Original Color

46.6643, 76.5147, 40.7431



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

48.2099, 61.1195, 52.4363

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6643, 76.5147, 40.7431 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(102, 255, 149)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 149)  
}
```

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(102, 255, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 149) }
```

Border

The CSS property to change the border of an element to XYZ 46.6643, 76.5147, 40.7431 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(102, 255, 149) }
```


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

```
.border{ border-color:rgb(102, 255, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 255, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 149);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6643, 76.5147, 40.7431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 255, 149) }
```

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

```
.background{ background-color: rgb(102,  
255, 149) }
```

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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