

Converting Colors

XYZ(46.8270, 76.5798, 41.5998)

Have a look what the booklet for
XYZ(46.8270, 76.5798, 41.5998)
contains.

XYZ(46.8254, 76.5791, 41.5915)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(46.8254, 76.5791,
41.5915)**

Conversions

Conversions Part 1

Format	Color
Hex	66FF97
RGB	102, 255, 151
RGB Percent	40%, 100%, 59%
CMY	0.6000, 0.0000, 0.4078
CMYK	0.60, 0.00, 0.41, 0.00
HSL	139°, 100%, 70%
HSV	139°, 60%, 100%
XYZ	46.8254, 76.5791, 41.5915
YIQ	197.3970, -57.8040, -64.7800

Conversions

Conversions Part 2

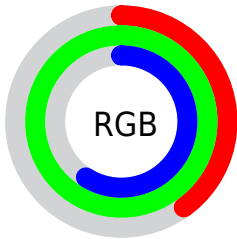
Format	Color
RYB	102, 218, 255
Decimal	6750103
CIELab	90.13, -62.55, 37.86
CIELCh	90, 73.116, 148.811
Yxy	76.5791, 0.2838, 0.4641
Android (android.graphics.Color)	4284940183 (0xFF66FF97)
YUV	197.3970, -22.8737, -83.6632
Hunter-Lab	87.5095, -57.6281, 33.0773

Details

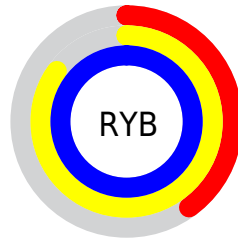
The XYZ color **46.8254, 76.5791, 41.5915** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **57.1321, 35.2194, 62.1789**, and the grayscale version is **53.4701, 56.2547, 61.2614**.

A 20% lighter version of the original color is **62.4176, 83.9756, 71.3117**, and **22.3700, 40.9115, 18.5221** is the 20% darker color. If you saturate the color by 10%, you get **43.0606, 74.7892, 34.6000**, and if you desaturate by 10%, it is **51.6867, 78.9104, 49.7172**.

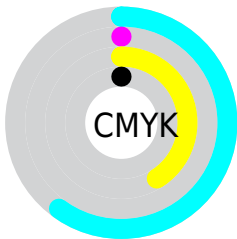
Distribution



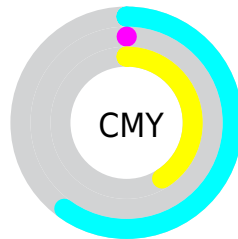
- Red (40%)
- Green (100%)
- Blue (59%)



- Red (40%)
- Yellow (85%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (41%)
- Black (0%)





- Cyan (60%)
- Magenta (0%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.8254, 76.5791, 41.5915 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 46.8254, 76.5791, 41.5915 by changing the saturation by 10% instead.

 46.8254, 76.5791,
41.5915


 46.8254, 76.5791,
41.5915


364.7777,
483.3278, 368.5363

 33.1050, 56.9075,
28.4584


 84.6733, 128.5452,
78.8444

 22.3665, 40.9310,
18.4294


 109.5315,
161.6084, 103.8013

 14.2446, 28.2652,
11.0861


 138.8330,
199.9043, 133.5365

 8.3738, 18.5256,
6.0099

172.9432,
243.8173, 168.4685

 4.3889, 11.3280,
2.7822

212.2274,
293.7317, 209.0160

 1.9244, 6.2879,
0.9845

257.0510,

 0.5910, 3.0209,

350.0320, 255.5974

0.0000

307.7793,
413.1026, 308.6314

■ 0.0000, 1.1427,
0.0000

■ 0.0000, 0.0141,
0.0000

■ 46.8254, 76.5791,
41.5915

■ 46.8254, 76.5791,
41.5915

■ 43.0606, 74.7892,
34.6000

■ 51.6867, 78.9104,
49.7172

■ 40.2974, 73.4927,
28.6875

■ 57.7251, 81.8236,
59.0213

■ 38.4257, 72.6340,
23.7999

■ 65.0153, 85.3564,
69.5501

■ 37.2705, 72.1242,
19.8741

■ 73.6252, 89.5428,
81.3463

■ 37.2704, 72.1242,
19.8738

■ 83.6176, 94.4143,
94.4505

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.



57.2284, 76.5791, 22.8854



46.8254, 76.5791, 41.5915



43.1712, 76.5791, 81.3255

Triad

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



46.8254, 76.5791, 41.5915



72.0646, 76.5791, 228.5563



107.8501, 76.5791, 43.8913

Complementary

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



46.8254, 76.5791, 41.5915



57.1321, 35.2194, 62.1789

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.



113.5534, 76.5791, 85.4722



46.8254, 76.5791, 41.5915



90.9351, 76.5791, 205.2071

Square

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



46.8254, 76.5791, 41.5915



56.1669, 76.5791, 201.4510



106.9119, 76.5791, 146.5942



92.3974, 76.5791, 23.7723

Rectangle

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



46.8254, 76.5791, 41.5915



44.4952, 76.5791, 119.9441



106.9119, 76.5791, 146.5942



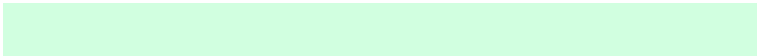
111.0740, 76.5791, 55.1251

Sweetspot

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



46.8259, 76.5794, 41.5928



75.5103, 90.4609, 83.8601



63.7652, 85.6801, 25.7481



15.5789, 19.0783, 17.1700



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.



46.8259, 76.5794, 41.5928



42.4308, 74.4919, 33.3322



55.0980, 79.8882, 85.1532



18.0113, 20.2640, 20.3624



19.5345, 37.7104, 10.6998



1.9493, 3.6907, 1.2911

Inverse Universe

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



57.1321, 35.2194, 62.1789



53.5052, 29.8121, 55.2772



50.0244, 32.3763, 24.7500



18.5306, 18.1956, 21.4113



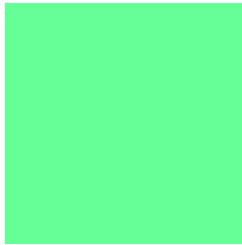
25.5779, 12.7205, 22.2257



2.5403, 1.2585, 2.4267

Previews

White Background



This preview shows how the XYZ color 46.8254, 76.5791, 41.5915 looks on a white background.

Color Contrast Check

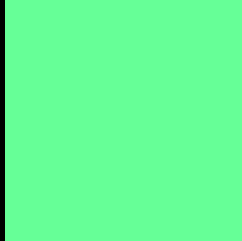
Large Text (above 18pt) WCAG AA × Fail

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 46.8254, 76.5791, 41.5915 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 46.8254, 76.5791, 41.5915

Background



This preview shows how black text looks on a background with the XYZ color 46.8254, 76.5791, 41.5915.

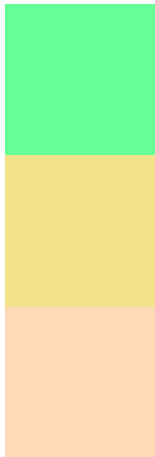


This preview shows how white text looks on a background with the XYZ color 46.8254, 76.5791,

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

46.8254, 76.5791, 41.5915

Protanopia

69.2416, 75.1270, 35.2776

Deuteranopia

74.8586, 74.8217, 55.2963



Tritanopia

62.6268, 76.0209, 105.9805

Trichromacy



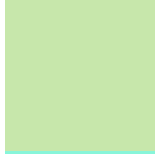
Original Color

46.8254, 76.5791, 41.5915



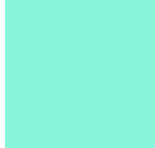
Protanomaly

56.9457, 73.3115, 37.1358



Deuteranomaly

59.4798, 72.2342, 49.3358



Tritanomaly

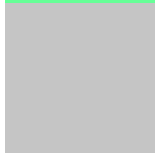
55.3301, 75.5488, 77.3118

Monochromacy



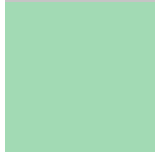
Original Color

46.8254, 76.5791, 41.5915



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 46.8254, 76.5791, 41.5915 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, 151)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 151)  
}
```

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, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 151) }
```

Border

The CSS property to change the border of an element to XYZ 46.8254, 76.5791, 41.5915 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, 151) }
```


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

```
.border{ border-color:rgb(102, 255, 151) }
```

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, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 151);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8254, 76.5791, 41.5915 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, 151) }
```

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

```
.background{ background-color: rgb(102,  
255, 151) }
```

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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