

Converting Colors

XYZ(46.8676, 75.6230, 43.2557)

Have a look what the booklet for
XYZ(46.8676, 75.6230, 43.2557)
contains.

XYZ(46.8674, 75.6204, 43.1364)	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(46.8674, 75.6204,
43.1364)**

Conversions

Conversions Part 1

Format	Color
Hex	69FD9B
RGB	105, 253, 155
RGB Percent	41%, 99%, 61%
CMY	0.5882, 0.0078, 0.3921
CMYK	0.58, 0.00, 0.39, 0.01
HSL	140°, 97%, 70%
HSV	140°, 58%, 99%
XYZ	46.8674, 75.6204, 43.1364
YIQ	197.5760, -56.7500, -61.8540

Conversions

Conversions Part 2

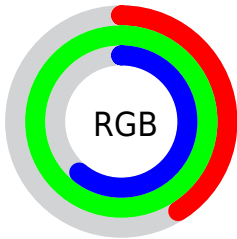
Format	Color
RYB	105, 216, 253
Decimal	6946203
CIELab	89.68, -60.51, 35.32
CIElCh	90, 70.068, 149.728
Yxy	75.6204, 0.2830, 0.4566
Android (android.graphics.Color)	4285136283 (0xFF69FD9B)
YUV	197.5760, -20.9900, -81.1892
Hunter-Lab	86.9600, -55.9768, 31.4613

Details

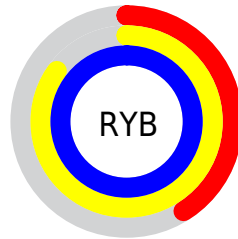
The XYZ color **46.8674, 75.6204, 43.1364** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **56.3415, 35.2991, 60.3464**, and the grayscale version is **53.5688, 56.3585, 61.3744**.

A 20% lighter version of the original color is **63.3292, 84.3886, 73.9236**, and **22.3642, 40.2162, 19.4157** is the 20% darker color. If you saturate the color by 10%, you get **43.0154, 73.7882, 36.1151**, and if you desaturate by 10%, it is **51.8021, 77.9924, 51.2307**.

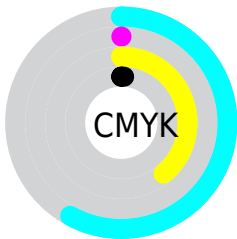
Distribution



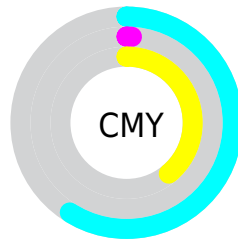
- Red (41%)
- Green (99%)
- Blue (61%)



- Red (41%)
- Yellow (85%)
- Blue (99%)



- Cyan (58%)
- Magenta (0%)
- Yellow (39%)
- Black (1%)





- Cyan (59%)
- Magenta (1%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.8674, 75.6204, 43.1364 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 46.8674, 75.6204, 43.1364 by changing the saturation by 10% instead.


 46.8674, 75.6204,
43.1364


 46.8674, 75.6204,
43.1364

364.9428,
480.0473, 375.1101


 33.1383, 56.1213,
29.6600


 84.7356, 127.1902,
81.2052

 22.3922, 40.3002,
19.3308


 109.6055,
160.0296, 106.6347

 14.2636, 27.7727,
11.7303


 138.9197,
198.0847, 136.8855

 8.3871, 18.1544,
6.4400

173.0435,
241.7397, 172.3764

 4.3975, 11.0609,
3.0414

212.3424,
291.3790, 213.5257

 1.9294, 6.1078,
1.1158

257.1817,

 0.5938, 2.9107,

347.3872, 260.7521

0.0000

307.9267,
410.1484, 314.4740

■ 0.0000, 1.0853,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.8674, 75.6204,
43.1364

■ 46.8674, 75.6204,
43.1364

■ 43.0154, 73.7882,
36.1151

■ 51.8021, 77.9924,
51.2307

■ 40.1514, 72.4416,
30.1157

■ 57.8925, 80.9347,
60.4358

■ 38.1729, 71.5308,
25.0905

■ 65.2113, 84.4860,
70.7940

■ 36.9354, 70.9824,
20.9848

■ 73.8239, 88.6792,
82.3437

■ 36.7853, 70.9169,
20.4429

■ 83.7906, 93.5448,
95.1216

■ 94.4167, 98.7334,
108.6889

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



56.6507, 75.6204, 24.3305



46.8674, 75.6204, 43.1364



43.5484, 75.6204, 81.8873

Triad

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



46.8674, 75.6204, 43.1364



71.7175, 75.6204, 218.5318



104.6951, 75.6204, 43.6464

Complementary

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



46.8674, 75.6204, 43.1364



56.3415, 35.2991, 60.3464

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.



110.4045, 75.6204, 82.7899



46.8674, 75.6204, 43.1364



89.6081, 75.6204, 195.4349

Square

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



46.8674, 75.6204, 43.1364



56.4182, 75.6204, 194.6330



104.4928, 75.6204, 140.1039



89.9246, 75.6204, 24.5312

Rectangle

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



46.8674, 75.6204, 43.1364



44.9569, 75.6204, 118.7429



104.4928, 75.6204, 140.1039



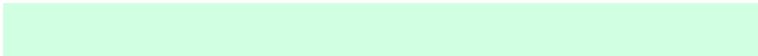
107.8336, 75.6204, 54.2564

Sweetspot

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



46.8693, 75.6235, 43.1381



75.6198, 90.5047, 84.4367



62.4883, 84.0643, 26.2978



15.6054, 19.0888, 17.3092



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.



46.8693, 75.6235, 43.1381



43.2817, 74.8776, 35.7648



55.0032, 78.8770, 85.9705



18.0247, 20.2694, 20.4332



19.6283, 37.7479, 11.1937



1.9597, 3.6948, 1.3457

Inverse Universe

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



56.3415, 35.2991, 60.3464



53.6750, 30.4245, 54.4934



49.5686, 32.5900, 24.6809



18.5165, 18.1899, 21.3372



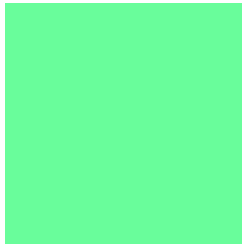
25.3561, 12.6317, 21.0573



2.5199, 1.2503, 2.3190

Previews

White Background



This preview shows how the XYZ color 46.8674, 75.6204, 43.1364 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 46.8674, 75.6204, 43.1364 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 46.8674, 75.6204, 43.1364

Background



This preview shows how black text looks on a background with the XYZ color 46.8674, 75.6204, 43.1364.

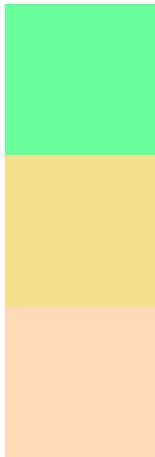


This preview shows how white text looks on a background with the XYZ color 46.8674, 75.6204,

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

46.8674, 75.6204, 43.1364

Protanopia

68.5757, 74.3492, 36.7231

Deuteranopia

74.3933, 74.2219, 54.1214



Tritanopia

61.5734, 75.0445, 105.8475

Trichromacy



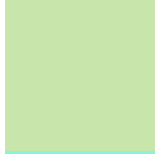
Original Color

46.8674, 75.6204, 43.1364



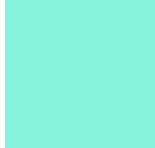
Protanomaly

56.9671, 72.8607, 38.6648



Deuteranomaly

59.5626, 71.8515, 49.7592



Tritanomaly

54.8284, 74.3666, 78.4823

Monochromacy



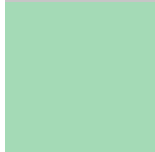
Original Color

46.8674, 75.6204, 43.1364



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

48.8247, 61.4127, 53.5365

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8674, 75.6204, 43.1364 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(105, 253, 155)` looks like.

```
.text, #text, p{  
    color:rgb(105, 253, 155)  
}
```

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(105, 253, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 253, 155) }
```

Border

The CSS property to change the border of an element to XYZ 46.8674, 75.6204, 43.1364 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(105, 253, 155) }
```


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

```
.border{ border-color:rgb(105, 253, 155) }
```

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

Here you see how a box with a 4 pixel rgb(105, 253, 155) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 253, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 253, 155);  
box-shadow:4px 4px 4px 4px rgb(105, 253,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8674, 75.6204, 43.1364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 253, 155) }
```

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

```
.background{ background-color: rgb(105,  
253, 155) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor