

Converting Colors

XYZ(46.1465, 75.9765, 52.9737)

Have a look what the booklet for
XYZ(46.1465, 75.9765, 52.9737)
contains.

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Color

**XYZ(46.0964, 75.9547,
52.7886)**

Conversions

Conversions Part 1

Format	Color
Hex	47FFAF
RGB	71, 255, 175
RGB Percent	28%, 100%, 69%
CMY	0.7215, 0.0000, 0.3137
CMYK	0.72, 0.00, 0.31, 0.00
HSL	154°, 100%, 64%
HSV	154°, 72%, 100%
XYZ	46.0964, 75.9547, 52.7886
YIQ	190.8640, -83.9840, -63.8880

Conversions

Conversions Part 2

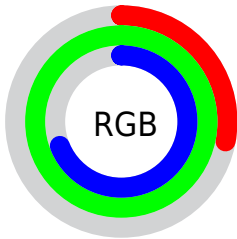
Format	Color
RYB	71, 189, 255
Decimal	4718511
CIELab	89.84, -63.36, 25.36
CIELCh	90, 68.250, 158.185
Yxy	75.9547, 0.2636, 0.4344
Android (android.graphics.Color)	4282908591 (0xFF47FFAF)
YUV	190.8640, -7.8210, -105.1207
Hunter-Lab	87.1520, -58.1038, 25.0940

Details

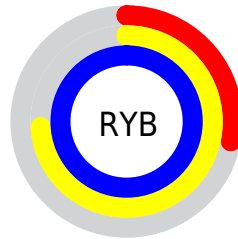
The XYZ color **46.0964, 75.9547, 52.7886** is a light color, and the websafe version is hex **66FF99**. The color can be described as light washed spring green. A complement of this color would be **49.0798, 28.0017, 32.0977**, and the grayscale version is **49.5218, 52.1008, 56.7377**.

A 20% lighter version of the original color is **61.3391, 83.0403, 88.3968**, and **23.4791, 41.3376, 25.1538** is the 20% darker color. If you saturate the color by 10%, you get **43.5578, 74.7667, 47.2176**, and if you desaturate by 10%, it is **49.5097, 77.5833, 58.8699**.

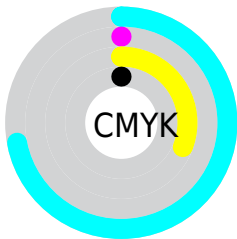
Distribution



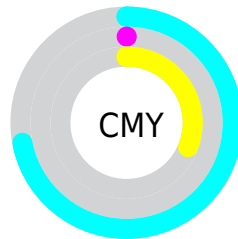
- Red (28%)
- Green (100%)
- Blue (69%)



- Red (28%)
- Yellow (74%)
- Blue (100%)



- Cyan (72%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)





- Cyan (72%)
- Magenta (0%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.0964, 75.9547, 52.7886 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 46.0964, 75.9547, 52.7886 by changing the saturation by 10% instead.


 46.0964, 75.9547,
52.7886


 46.0964, 75.9547,
52.7886


361.9055,
481.1926, 414.5168


 32.5268, 56.3954,
37.2475


 83.5902, 127.6629,
95.7316


 21.9217, 40.5200,
25.1019


 108.2452,
160.5805, 123.9706

 13.9157, 27.9442,
15.9333


 137.3261,
198.7197, 157.2792

 8.1433, 18.2836,
9.3231

 171.1981,
242.4648, 196.0761

 4.2394, 11.1538,
4.8528

210.2267,
292.2002, 240.7798

 1.8384, 6.1704,
2.1040

254.7773,

 0.5407, 2.9490,

348.3104, 291.8088

0.6181

305.2151,
411.1798, 349.5816

■ 0.0000, 1.1051,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.0964, 75.9547,
52.7886

■ 46.0964, 75.9547,
52.7886

■ 43.5578, 74.7667,
47.2176

■ 49.5097, 77.5833,
58.8699


■ 41.7842, 73.9630,
42.1368


■ 53.8851, 79.6973,
65.4724


■ 40.8040, 73.5376,
38.4814


■ 59.3011, 82.3369,
72.6116

■ 65.8272, 85.5378,
80.3009

 73.5267, 89.3324,
88.5529

 82.4579, 93.7505,
97.3799

 92.6752, 98.8199,
106.7938

 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.



53.9577, 75.9547, 29.1046



46.0964, 75.9547, 52.7886



44.6362, 75.9547, 96.6282

Triad

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



46.0964, 75.9547, 52.7886



76.9043, 75.9547, 212.7500



100.7730, 75.9547, 37.5778

Complementary

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



46.0964, 75.9547, 52.7886



49.0798, 28.0017, 32.0977

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.



109.2474, 75.9547, 70.1821



46.0964, 75.9547, 52.7886



94.1326, 75.9547, 179.1843

Square

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



46.0964, 75.9547, 52.7886



60.8089, 75.9547, 202.2266



106.6448, 75.9547, 122.2007



84.9153, 75.9547, 23.0038

Rectangle

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



46.0964, 75.9547, 52.7886



47.2338, 75.9547, 134.7282



106.6448, 75.9547, 122.2007



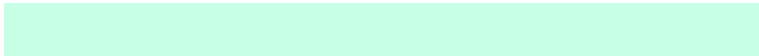
104.6836, 75.9547, 46.1600

Sweetspot

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



46.0971, 75.9551, 52.7899



73.6552, 89.3959, 88.6849



50.1865, 78.8257, 18.5320



15.2917, 18.9007, 18.4907



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.



46.0971, 75.9551, 52.7899



42.6105, 74.3332, 44.6954



53.5440, 74.3499, 106.1366



18.2017, 20.3402, 21.3649



21.3973, 38.4555, 20.5095



2.1383, 3.7662, 2.2859

Inverse Universe

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



49.0798, 28.0017, 32.0977



45.7909, 23.9572, 23.1917



45.2612, 27.4825, 8.8813



18.3373, 18.1182, 20.3935



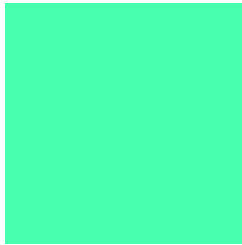
23.1160, 11.7357, 9.2613



2.3044, 1.1641, 1.1842

Previews

White Background



This preview shows how the XYZ color 46.0964, 75.9547, 52.7886 looks on a white background.

Color Contrast Check

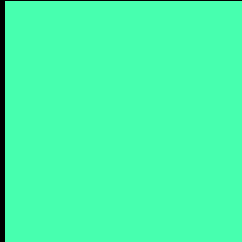
Large Text (above 18pt) WCAG AA × Fail

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 46.0964, 75.9547, 52.7886 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

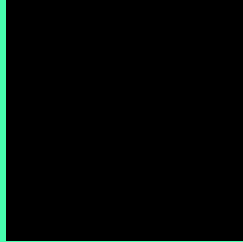
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.0964, 75.9547, 52.7886

Background



This preview shows how black text looks on a background with the XYZ color 46.0964, 75.9547, 52.7886.

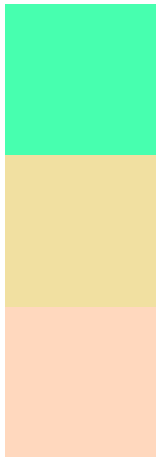


This preview shows how white text looks on a background with the XYZ color 46.0964, 75.9547,

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

46.0964, 75.9547, 52.7886

Protanopia

69.3643, 74.5853, 44.4587

Deuteranopia

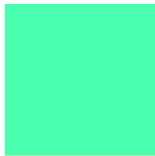
75.0901, 74.0894, 59.0582



Tritanopia

60.7706, 75.0640, 105.8936

Trichromacy



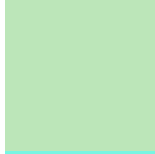
Original Color

46.0964, 75.9547, 52.7886



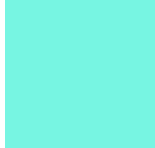
Protanomaly

55.1817, 71.7535, 47.0178



Deuteranomaly

57.7928, 70.7878, 56.5163



Tritanomaly

53.9876, 74.7177, 83.5280

Monochromacy



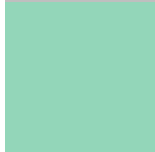
Original Color

46.0964, 75.9547, 52.7886



Achromatopsia

49.5206, 52.0996, 56.7364



Achromatomaly

44.8361, 57.7990, 54.6921

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.0964, 75.9547, 52.7886 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(71, 255, 175)` looks like.

```
.text, #text, p{  
    color:rgb(71, 255, 175)  
}
```

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(71, 255, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 255, 175) }
```

Border

The CSS property to change the border of an element to XYZ 46.0964, 75.9547, 52.7886 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(71, 255, 175) }
```


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

```
.border{ border-color:rgb(71, 255, 175) }
```

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

Here you see how a box with a 4 pixel rgb(71, 255, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 255, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 255, 175);  
box-shadow:4px 4px 4px 4px rgb(71, 255,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 46.0964, 75.9547, 52.7886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 255, 175) }
```

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

```
.background{ background-color: rgb(71, 255,  
175) }
```

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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