

Converting Colors

XYZ(46.0557, 75.8138, 58.2053)

Have a look what the booklet for
XYZ(46.0557, 75.8138, 58.2053)
contains.

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Color

**XYZ(46.0383, 75.8071,
58.1047)**

Conversions

Conversions Part 1

Format	Color
Hex	36FFB9
RGB	54, 255, 185
RGB Percent	21%, 100%, 73%
CMY	0.7882, 0.0000, 0.2745
CMYK	0.79, 0.00, 0.27, 0.00
HSL	159°, 100%, 61%
HSV	159°, 79%, 100%
XYZ	46.0383, 75.8071, 58.1047
YIQ	186.9210, -97.3260, -64.3820

Conversions

Conversions Part 2

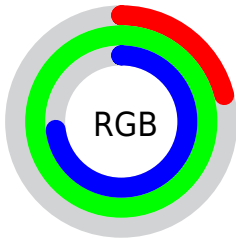
Format	Color
RYB	54, 176, 255
Decimal	3604409
CIELab	89.77, -63.23, 20.14
CIELCh	90, 66.361, 162.334
Yxy	75.8071, 0.2558, 0.4213
Android (android.graphics.Color)	4281794489 (0xFF36FFB9)
YUV	186.9210, -0.9471, -116.5717
Hunter-Lab	87.0673, -57.9828, 21.3797

Details

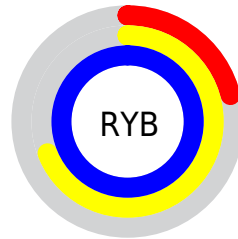
The XYZ color **46.0383, 75.8071, 58.1047** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light washed spring green. A complement of this color would be **46.1980, 25.3545, 21.5298**, and the grayscale version is **47.2350, 49.6949, 54.1178**.

A 20% lighter version of the original color is **61.1529, 82.7764, 95.9734**, and **24.1311, 41.5984, 28.5873** is the 20% darker color. If you saturate the color by 10%, you get **44.1014, 74.9135, 53.2728**, and if you desaturate by 10%, it is **48.7514, 77.0939, 63.2812**.

Distribution



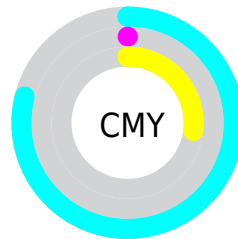
- Red (21%)
- Green (100%)
- Blue (73%)



- Red (21%)
- Yellow (69%)
- Blue (100%)



- Cyan (79%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)





- Cyan (79%)
- Magenta (0%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.0383, 75.8071, 58.1047 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 46.0383, 75.8071, 58.1047 by changing the saturation by 10% instead.


 46.0383, 75.8071,
58.1047


 46.0383, 75.8071,
58.1047

361.6760,
480.6871, 435.1851


 32.4808, 56.2743,
41.4776


 83.5038, 127.4542,
103.5916

 21.8863, 40.4229,
28.3699


 108.1426,
160.3373, 133.2884

 13.8895, 27.8684,
18.3632


 137.2058,
198.4394, 168.1789

 8.1251, 18.2265,
11.0390

 171.0588,
242.1447, 208.6816

 4.2276, 11.1127,
5.9785

210.0669,
291.8378, 255.2150

 1.8317, 6.1427,
2.7635

254.5956,

 0.5366, 2.9321,

347.9029, 308.1977

0.9752

305.0102,
410.7246, 368.0482

■ 0.0000, 1.0964,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.0383, 75.8071,
58.1047

■ 46.0383, 75.8071,
58.1047

■ 44.1014, 74.9135,
53.2728

■ 48.7514, 77.0939,
63.2812

■ 42.7950, 74.3384,
48.7693

■ 52.3380, 78.8243,
68.8085

■ 42.6607, 74.2803,
48.2585

■ 56.8829, 81.0417,
74.6969

■ 62.4599, 83.7839,
80.9552

■ 69.1351, 87.0852,
87.5914

■ 76.9692, 90.9765,
94.6132

■ 86.0183, 95.4867,
102.0280

■ 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.



52.8723, 75.8071, 32.2416



46.0383, 75.8071, 58.1047



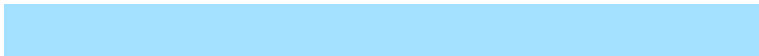
45.4787, 75.8071, 103.3248

Triad

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



46.0383, 75.8071, 58.1047



78.9846, 75.8071, 205.5733



97.9036, 75.8071, 35.5134

Complementary

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



46.0383, 75.8071, 58.1047



46.1980, 25.3545, 21.5298

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.



107.3678, 75.8071, 64.7498



46.0383, 75.8071, 58.1047



95.3867, 75.8071, 168.6779

Square

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



46.0383, 75.8071, 58.1047



62.9199, 75.8071, 201.6131



106.3826, 75.8071, 113.0167



82.0284, 75.8071, 23.0109

Rectangle

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



46.0383, 75.8071, 58.1047



48.6031, 75.8071, 140.7259



106.3826, 75.8071, 113.0167



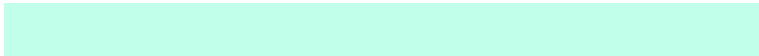
102.0410, 75.8071, 43.1172

Sweetspot

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



46.0390, 75.8074, 58.1060



72.7631, 88.8854, 90.9275



44.7897, 76.0980, 15.8188



14.9947, 18.7374, 18.9325



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.



46.0390, 75.8074, 58.1060



43.2381, 74.5300, 50.4521



46.4568, 61.7745, 104.0829



18.2704, 20.3677, 21.7269



22.3644, 38.8424, 25.6019



2.2292, 3.8026, 2.7648

Inverse Universe

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



46.1980, 25.3545, 21.5298



43.5439, 22.4067, 13.3677



45.0886, 27.8915, 6.4982



18.2705, 18.0915, 20.0418



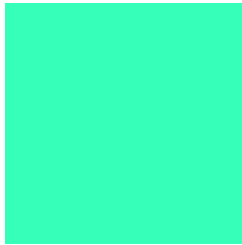
22.5501, 11.5093, 6.2813



2.2449, 1.1403, 0.8711

Previews

White Background



This preview shows how the XYZ color 46.0383, 75.8071, 58.1047 looks on a white background.

Color Contrast Check

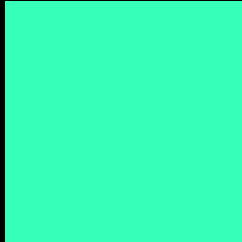
Large Text (above 18pt) WCAG AA × Fail

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 46.0383, 75.8071, 58.1047 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

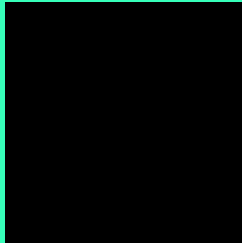
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.0383, 75.8071, 58.1047

Background



This preview shows how black text looks on a background with the XYZ color 46.0383, 75.8071, 58.1047.

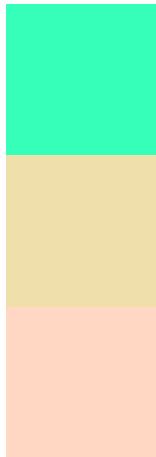


This preview shows how white text looks on a background with the XYZ color 46.0383, 75.8071,

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

46.0383, 75.8071, 58.1047

Protanopia

69.2400, 74.0284, 48.6698

Deuteranopia

75.3908, 73.8010, 61.9013



Tritanopia

60.3654, 75.2910, 105.9588

Trichromacy



Original Color

46.0383, 75.8071, 58.1047



Protanomaly

54.4595, 71.2825, 51.4460



Deuteranomaly

56.9922, 70.3003, 59.8557



Tritanomaly

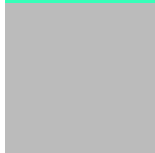
53.3657, 74.3330, 86.3979

Monochromacy



Original Color

46.0383, 75.8071, 58.1047



Achromatopsia

47.2335, 49.6933, 54.1160



Achromatomaly

43.0539, 56.1211, 55.0177

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.0383, 75.8071, 58.1047 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(54, 255, 185)` looks like.

```
.text, #text, p{  
    color:rgb(54, 255, 185)  
}
```

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(54, 255, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 255, 185) }
```

Border

The CSS property to change the border of an element to XYZ 46.0383, 75.8071, 58.1047 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(54, 255, 185) }
```


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

```
.border{ border-color:rgb(54, 255, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 255, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 255, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 255, 185);  
box-shadow:4px 4px 4px 4px rgb(54, 255,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 46.0383, 75.8071, 58.1047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 255, 185) }
```

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

```
.background{ background-color: rgb(54, 255,  
185) }
```

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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