

Converting Colors

XYZ(46.8476, 76.2586, 56.5899)

Have a look what the booklet for
XYZ(46.8476, 76.2586, 56.5899)
contains.

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Color

**XYZ(46.8020, 76.2370,
56.5045)**

Conversions

Conversions Part 1

Format	Color
Hex	47FFB6
RGB	71, 255, 182
RGB Percent	28%, 100%, 71%
CMY	0.7215, 0.0000, 0.2863
CMYK	0.72, 0.00, 0.29, 0.00
HSL	156°, 100%, 64%
HSV	156°, 72%, 100%
XYZ	46.8020, 76.2370, 56.5045
YIQ	191.6620, -86.2310, -61.7110

Conversions

Conversions Part 2

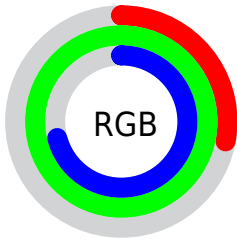
Format	Color
RYB	71, 186, 255
Decimal	4718518
CIELab	89.97, -61.93, 21.99
CIELCh	90, 65.719, 160.456
Yxy	76.2370, 0.2607, 0.4246
Android (android.graphics.Color)	4282908598 (0xFF47FFB6)
YUV	191.6620, -4.7634, -105.8206
Hunter-Lab	87.3138, -57.1195, 22.7506

Details

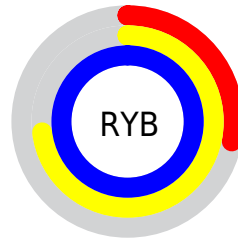
The XYZ color **46.8020, 76.2370, 56.5045** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed spring green. A complement of this color would be **48.5278, 27.7808, 29.1911**, and the grayscale version is **49.9692, 52.5715, 57.2504**.

A 20% lighter version of the original color is **62.3479, 83.4438, 93.7091**, and **23.9287, 41.5175, 27.5214** is the 20% darker color. If you saturate the color by 10%, you get **44.3000, 75.0636, 51.1260**, and if you desaturate by 10%, it is **50.1648, 77.8453, 62.3202**.

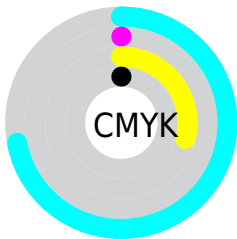
Distribution



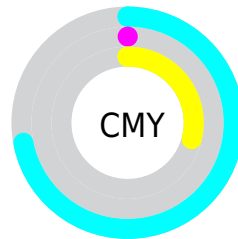
- Red (28%)
- Green (100%)
- Blue (71%)



- Red (28%)
- Yellow (73%)
- Blue (100%)



- Cyan (72%)
- Magenta (0%)
- Yellow (29%)
- Black (0%)





- Cyan (72%)
- Magenta (0%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.8020, 76.2370, 56.5045 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 46.8020, 76.2370, 56.5045 by changing the saturation by 10% instead.

 46.8020, 76.2370,
56.5045


 46.8020, 76.2370,
56.5045


364.6858,
482.1586, 429.0316


 33.0864, 56.6269,
40.2008


 84.6385, 128.0619,
101.2350

 22.3522, 40.7057,
27.3802


 109.4902,
161.0454, 130.4989

 14.2340, 28.0892,
17.6240


 138.7847,
199.2555, 164.9199

 8.3664, 18.3929,
10.5137

 172.8873,
243.0766, 204.9167

 4.3840, 11.2325,
5.6309

212.1633,
292.8930, 250.9077

 1.9216, 6.2234,
2.5568

256.9781,

 0.5893, 2.9814,

349.0893, 303.3115

0.8700

307.6972,
412.0497, 362.5466

■ 0.0000, 1.1220,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.8020, 76.2370,
56.5045

■ 46.8020, 76.2370,
56.5045

■ 44.3000, 75.0636,
51.1260

■ 50.1648, 77.8453,
62.3202


■ 42.5496, 74.2692,
46.1676


■ 54.4754, 79.9334,
68.5813


■ 41.5788, 73.8475,
42.5612


■ 59.8116, 82.5411,
75.3006

■ 66.2426, 85.7040,
82.4889

 73.8310, 89.4541,
90.1564

 82.6349, 93.8212,
98.3132

 92.7081, 98.8331,
106.9686

 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.



54.0023, 76.2370, 31.8038



46.8020, 76.2370, 56.5045



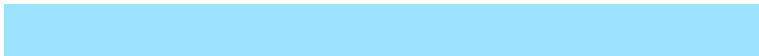
45.8501, 76.2370, 100.3490

Triad

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



46.8020, 76.2370, 56.5045



78.2865, 76.2370, 205.9291



98.9603, 76.2370, 37.3975

Complementary

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



46.8020, 76.2370, 56.5045



48.5278, 27.7808, 29.1911

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.



107.7757, 76.2370, 67.7915



46.8020, 76.2370, 56.5045



94.7089, 76.2370, 171.5237

Square

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



46.8020, 76.2370, 56.5045



62.4933, 76.2370, 199.2700



106.1129, 76.2370, 116.7254



83.4359, 76.2370, 23.9763

Rectangle

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



46.8020, 76.2370, 56.5045



48.7053, 76.2370, 137.1931



106.1129, 76.2370, 116.7254



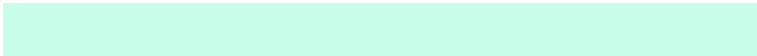
102.9045, 76.2370, 45.3810

Sweetspot

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



46.8027, 76.2373, 56.5058



73.9580, 89.5170, 90.2790



48.5047, 77.9587, 18.4532



15.3633, 18.9293, 18.8677



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.



46.8027, 76.2373, 56.5058



43.3656, 74.6352, 48.6719



50.8175, 68.8971, 105.2278



18.2318, 20.3522, 21.5236



21.8015, 38.6172, 22.6376



2.1766, 3.7816, 2.4879

Inverse Universe

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



48.5278, 27.7808, 29.1911



45.2494, 23.7406, 20.3401



45.9836, 28.9273, 9.1220



18.3079, 18.1065, 20.2384



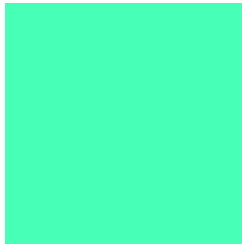
22.8490, 11.6289, 7.8552



2.2768, 1.1531, 1.0389

Previews

White Background



This preview shows how the XYZ color 46.8020, 76.2370, 56.5045 looks on a white background.

Color Contrast Check

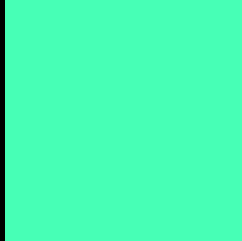
Large Text (above 18pt) WCAG AA × Fail

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 46.8020, 76.2370, 56.5045 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 46.8020, 76.2370, 56.5045

Background



This preview shows how black text looks on a background with the XYZ color 46.8020, 76.2370, 56.5045.

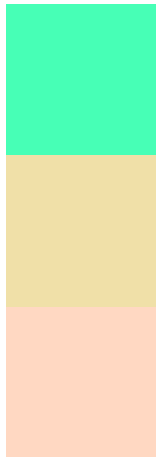


This preview shows how white text looks on a background with the XYZ color 46.8020, 76.2370,

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

46.8020, 76.2370, 56.5045

Protanopia

69.6587, 74.6637, 47.7859

Deuteranopia

75.5335, 74.2668, 61.3928



Tritanopia

61.2427, 75.7432, 105.9998

Trichromacy



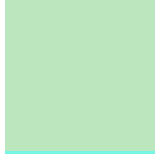
Original Color

46.8020, 76.2370, 56.5045



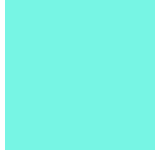
Protanomaly

55.8416, 72.0175, 50.4928



Deuteranomaly

58.3301, 71.0027, 59.3458



Tritanomaly

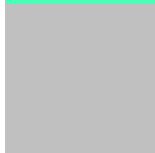
54.2637, 74.8282, 84.9821

Monochromacy



Original Color

46.8020, 76.2370, 56.5045



Achromatopsia

50.1023, 52.7115, 57.4028



Achromatomaly

45.5903, 58.5276, 56.4711

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8020, 76.2370, 56.5045 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, 182)` looks like.

```
.text, #text, p{  
    color:rgb(71, 255, 182)  
}
```

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, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 255, 182) }
```

Border

The CSS property to change the border of an element to XYZ 46.8020, 76.2370, 56.5045 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, 182) }
```


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

```
.border{ border-color:rgb(71, 255, 182) }
```

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, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 255, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 255, 182);  
box-shadow:4px 4px 4px 4px rgb(71, 255,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8020, 76.2370, 56.5045 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, 182) }
```

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

```
.background{ background-color: rgb(71, 255,  
182) }
```

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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