

Converting Colors

XYZ(38.5574, 61.6824, 46.4926)

Have a look what the booklet for
XYZ(38.5574, 61.6824, 46.4926)
contains.

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Color

**XYZ(38.4526, 61.4377,
46.3912)**

Conversions

Conversions Part 1

Format	Color
Hex	4BE7A7
RGB	75, 231, 167
RGB Percent	29%, 91%, 65%
CMY	0.7059, 0.0941, 0.3451
CMYK	0.68, 0.00, 0.28, 0.09
HSL	155°, 76%, 60%
HSV	155°, 68%, 91%
XYZ	38.4526, 61.4377, 46.3912
YIQ	177.0600, -72.4320, -52.9760

Conversions

Conversions Part 2

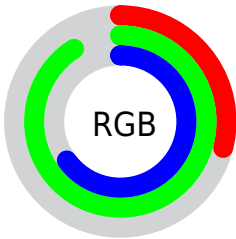
Format	Color
RYB	75, 173, 231
Decimal	4974503
CIELab	82.61, -55.26, 19.53
CIELCh	83, 58.608, 160.537
Yxy	61.4377, 0.2629, 0.4200
Android (android.graphics.Color)	4283164583 (0xFF4BE7A7)
YUV	177.0600, -4.9596, -89.5066
Hunter-Lab	78.3822, -49.6007, 19.7762

Details

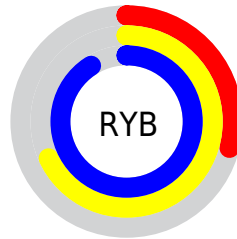
The XYZ color **38.4526, 61.4377, 46.3912** is a light color, and the websafe version is hex **00CC99**. The color can be described as light muted spring green. A complement of this color would be **40.1333, 23.8866, 26.9237**, and the grayscale version is **41.8755, 44.0563, 47.9773**.

A 20% lighter version of the original color is **59.7600, 82.3694, 81.8564**, and **18.2306, 31.5099, 21.3408** is the 20% darker color. If you saturate the color by 10%, you get **36.1190, 60.3338, 41.8756**, and if you desaturate by 10%, it is **41.5093, 62.9101, 51.2786**.

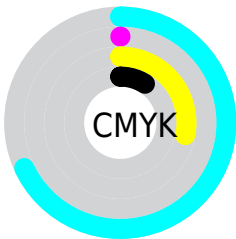
Distribution



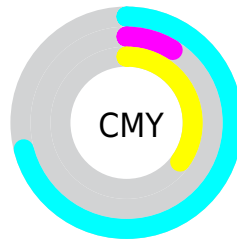
- Red (29%)
- Green (91%)
- Blue (65%)



- Red (29%)
- Yellow (68%)
- Blue (91%)



- Cyan (68%)
- Magenta (0%)
- Yellow (28%)
- Black (9%)




- Cyan (71%)
- Magenta (9%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.4526, 61.4377, 46.3912 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 38.4526, 61.4377, 46.3912 by changing the saturation by 10% instead.


 38.4526, 61.4377,
46.3912


 38.4526, 61.4377,
46.3912

330.8049,
429.8770, 388.7024


 26.5130, 44.5785,
32.2037


 72.1008, 106.9124,
86.1446


 17.3425, 31.1256,
21.2511


 94.5400, 136.2968,
112.5476

 10.5758, 20.6945,
13.1146


 121.2098,
170.6249, 143.8596

 5.8475, 12.9009,
7.3759

 152.4755,
210.2813, 180.4990

 2.7924, 7.3603,
3.6163

188.7026,
255.6503, 222.8845

 1.0449, 3.6884,
1.4173

230.2562,

 0.0000, 1.5009,

307.1164, 271.4345

0.1551

277.5019,
365.0638, 326.5676

■ 0.0000, 0.2893,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.4526, 61.4377,
46.3912

■ 38.4526, 61.4377,
46.3912

■ 36.1190, 60.3338,
41.8756

■ 41.5093, 62.9101,
51.2786

■ 34.4272, 59.5520,
37.7168


■ 45.3493, 64.7771,
56.5434


■ 33.2772, 59.0424,
33.9041


■ 50.0315, 67.0707,
62.1965

■ 33.0373, 58.9382,
33.0134

■ 55.6080, 69.8173,
68.2469

 62.1262, 73.0414,
74.7031

 69.6303, 76.7656,
81.5733

 78.1614, 81.0110,
88.8656

 85.9677, 84.8743,
96.5038

 87.4350, 85.4612,
104.2310

Harmonies

Analogous

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



44.0604, 61.4377, 26.8913



38.4526, 61.4377, 46.3912



37.7208, 61.4377, 80.3597

Triad

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



38.4526, 61.4377, 46.3912



62.9241, 61.4377, 160.5588



78.7430, 61.4377, 31.2548

Complementary

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



38.4526, 61.4377, 46.3912



40.1333, 23.8866, 26.9237

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.



85.5069, 61.4377, 55.0255



38.4526, 61.4377, 46.3912



75.5427, 61.4377, 134.4453

Square

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



38.4526, 61.4377, 46.3912



50.7104, 61.4377, 155.6150



84.2583, 61.4377, 92.6941



66.8186, 61.4377, 20.5726

Rectangle

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



38.4526, 61.4377, 46.3912



39.9630, 61.4377, 108.5593



84.2583, 61.4377, 92.6941



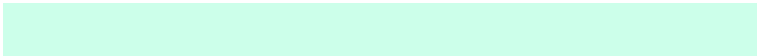
81.7679, 61.4377, 37.5432

Sweetspot

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



38.4542, 61.4402, 46.3926



75.5241, 90.3023, 91.3489



40.6631, 63.2379, 16.7203



15.6646, 19.0807, 19.0606



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.



38.4542, 61.4402, 46.3926



44.2805, 75.0715, 50.3152



42.3988, 57.4106, 84.4509



14.5441, 16.2311, 17.1302



18.5836, 33.0656, 18.8395



1.4191, 2.4618, 1.6338

Inverse Universe

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



40.1333, 23.8866, 26.9237



46.5623, 25.1096, 24.6521



37.7165, 24.4778, 9.3942



14.6209, 14.4656, 16.2041



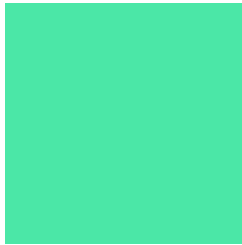
19.6854, 10.0084, 7.2382



1.4999, 0.7577, 0.7730

Previews

White Background



This preview shows how the XYZ color 38.4526, 61.4377, 46.3912 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 38.4526, 61.4377, 46.3912 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

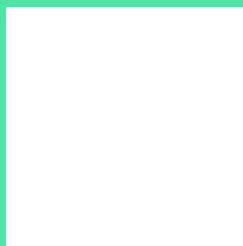
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.4526, 61.4377, 46.3912

Background



This preview shows how black text looks on a background with the XYZ color 38.4526, 61.4377, 46.3912.



This preview shows how white text looks on a background with the XYZ color 38.4526, 61.4377,

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

38.4526, 61.4377, 46.3912

Protanopia

56.3390, 60.4243, 39.2655

Deuteranopia

61.4095, 60.0674, 48.9150



Tritanopia

47.5584, 61.4769, 91.7977

Trichromacy



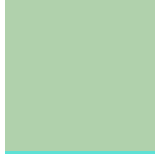
Original Color

38.4526, 61.4377, 46.3912



Protanomaly

46.0305, 58.7033, 41.7057



Deuteranomaly

48.1514, 57.8096, 47.6502



Tritanomaly

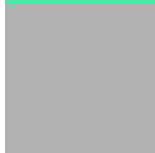
43.4497, 60.9817, 72.4314

Monochromacy



Original Color

38.4526, 61.4377, 46.3912



Achromatopsia

41.7894, 43.9657, 47.8787



Achromatomaly

38.3243, 48.5251, 46.8815

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4526, 61.4377, 46.3912 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(75, 231, 167)` looks like.

```
.text, #text, p{  
    color:rgb(75, 231, 167)  
}
```

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(75, 231, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 231, 167) }
```

Border

The CSS property to change the border of an element to XYZ 38.4526, 61.4377, 46.3912 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(75, 231, 167) }
```


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

```
.border{ border-color:rgb(75, 231, 167) }
```

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

Here you see how a box with a 4 pixel rgb(75, 231, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 231, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 231, 167);  
box-shadow:4px 4px 4px 4px rgb(75, 231,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4526, 61.4377, 46.3912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 231, 167) }
```

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

```
.background{ background-color: rgb(75, 231,  
167) }
```

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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