

Converting Colors

XYZ(46.3259, 75.9041, 60.4341)

Have a look what the booklet for
XYZ(46.3259, 75.9041, 60.4341)
contains.

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Color

**XYZ(46.3105, 75.8979,
60.3531)**

Conversions

Conversions Part 1

Format	Color
Hex	33FFBD
RGB	51, 255, 189
RGB Percent	20%, 100%, 74%
CMY	0.8000, 0.0000, 0.2588
CMYK	0.80, 0.00, 0.26, 0.00
HSL	161°, 100%, 60%
HSV	161°, 80%, 100%
XYZ	46.3105, 75.8979, 60.3531
YIQ	186.4800, -100.3980, -63.7740

Conversions

Conversions Part 2

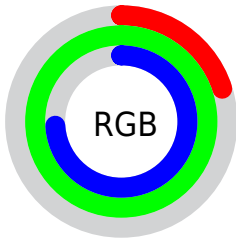
Format	Color
RYB	51, 173, 255
Decimal	3407805
CIELab	89.81, -62.64, 18.14
CIELCh	90, 65.216, 163.846
Yxy	75.8979, 0.2537, 0.4157
Android (android.graphics.Color)	4281597885 (0xFF33FFBD)
YUV	186.4800, 1.2424, -118.8160
Hunter-Lab	87.1194, -57.5728, 19.9097

Details

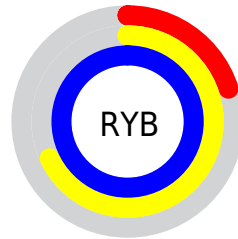
The XYZ color **46.3105, 75.8979, 60.3531** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light washed spring green. A complement of this color would be **45.6354, 24.9129, 19.2349**, and the grayscale version is **46.9761, 49.4225, 53.8211**.

A 20% lighter version of the original color is **61.4474, 82.8584, 99.1409**, and **24.4102, 41.7101, 30.0569** is the 20% darker color. If you saturate the color by 10%, you get **44.4886, 75.0592, 55.7260**, and if you desaturate by 10%, it is **48.8880, 77.1202, 65.2841**.

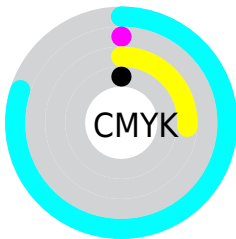
Distribution



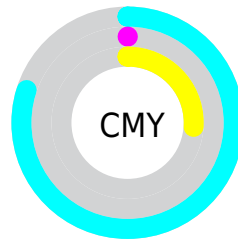
- Red (20%)
- Green (100%)
- Blue (74%)



- Red (20%)
- Yellow (68%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (26%)
- Black (0%)





- Cyan (80%)
- Magenta (0%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.3105, 75.8979, 60.3531 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 46.3105, 75.8979, 60.3531 by changing the saturation by 10% instead.


 46.3105, 75.8979,
60.3531


 46.3105, 75.8979,
60.3531


362.7506,
480.9981, 443.7388


 32.6966, 56.3488,
43.2761


 83.9085, 127.5826,
106.8901


 22.0522, 40.4826,
29.7688


 108.6233,
160.4869, 137.1872

 14.0121, 27.9151,
19.4126


 137.7691,
198.6118, 172.7281

 8.2108, 18.2616,
11.7890

 171.7113,
242.3416, 213.9314

 4.2831, 11.1380,
6.4794

210.8152,
292.0608, 261.2156

 1.8635, 6.1597,
3.0652

255.4461,

 0.5555, 2.9424,

348.1536, 314.9992

1.1280

305.9695,
411.0046, 375.7007

■ 0.0000, 1.1018,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.3105, 75.8979,
60.3531

■ 46.3105, 75.8979,
60.3531

■ 44.4886, 75.0592,
55.7260

■ 48.8880, 77.1202,
65.2841

■ 43.2548, 74.5179,
51.3868

■ 52.3206, 78.7774,
70.5241

■ 43.2545, 74.5178,
51.3854

■ 56.6943, 80.9136,
76.0825

■ 62.0836, 83.5672,
81.9669

■ 68.5554, 86.7726,
88.1845

■ 76.1707, 90.5612,
94.7421

■ 84.9859, 94.9619,
101.6460

■ 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.



52.7554, 75.8979, 33.7851



46.3105, 75.8979, 60.3531



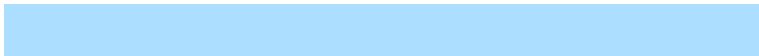
46.0708, 75.8979, 105.7148

Triad

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



46.3105, 75.8979, 60.3531



79.8005, 75.8979, 202.0134



96.8376, 75.8979, 35.1951

Complementary

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



46.3105, 75.8979, 60.3531



45.6354, 24.9129, 19.2349

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.



106.5496, 75.8979, 63.1938



46.3105, 75.8979, 60.3531



95.7687, 75.8979, 164.4527

Square

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



46.3105, 75.8979, 60.3531



63.8668, 75.8979, 200.3409



106.1317, 75.8979, 109.8317



81.0956, 75.8979, 23.3973

Rectangle

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



46.3105, 75.8979, 60.3531



49.3686, 75.8979, 142.4806



106.1317, 75.8979, 109.8317



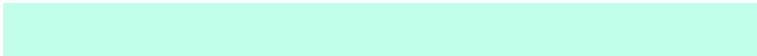
101.0134, 75.8979, 42.4546

Sweetspot

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



46.3112, 75.8983, 60.3544



72.9811, 88.9726, 92.0757



43.9662, 75.6814, 15.4237



15.0474, 18.7585, 19.2100



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.



46.3112, 75.8983, 60.3544



43.7043, 74.7125, 53.0879



45.2725, 59.6377, 103.7329



18.2902, 20.3756, 21.8311



22.6728, 38.9657, 27.2258



2.2577, 3.8140, 2.9147

Inverse Universe

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



45.6354, 24.9129, 19.2349



43.1707, 22.2094, 11.5511



45.0868, 27.9972, 6.1606



18.2516, 18.0839, 19.9420



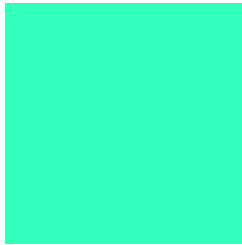
22.4149, 11.4552, 5.5692



2.2300, 1.1344, 0.7928

Previews

White Background



This preview shows how the XYZ color 46.3105, 75.8979, 60.3531 looks on a white background.

Color Contrast Check

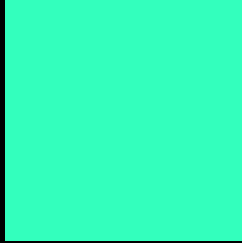
Large Text (above 18pt) WCAG AA × Fail

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 46.3105, 75.8979, 60.3531 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 46.3105, 75.8979, 60.3531

Background



This preview shows how black text looks on a background with the XYZ color 46.3105, 75.8979, 60.3531.

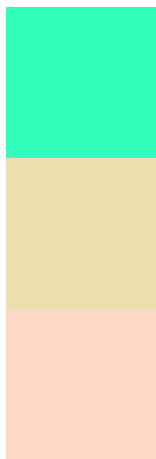


This preview shows how white text looks on a background with the XYZ color 46.3105, 75.8979, 60.3531.

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

46.3105, 75.8979, 60.3531

Protanopia

69.2876, 74.0085, 50.6776

Deuteranopia

75.7335, 73.9381, 63.7060



Tritanopia

60.5378, 75.3798, 105.9668

Trichromacy



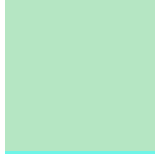
Original Color

46.3105, 75.8979, 60.3531



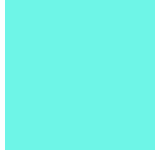
Protanomaly

54.4226, 71.2174, 53.5258



Deuteranomaly

57.2032, 70.3575, 62.1952



Tritanomaly

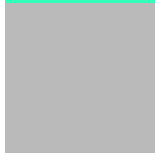
53.5066, 74.3893, 87.1398

Monochromacy



Original Color

46.3105, 75.8979, 60.3531



Achromatopsia

46.6715, 49.1021, 53.4722



Achromatomaly

42.5804, 55.4948, 55.4810

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3105, 75.8979, 60.3531 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(51, 255, 189)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 189)  
}
```

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(51, 255, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 189) }
```

Border

The CSS property to change the border of an element to XYZ 46.3105, 75.8979, 60.3531 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(51, 255, 189) }
```


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

```
.border{ border-color:rgb(51, 255, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 255, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 189);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3105, 75.8979, 60.3531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 255, 189) }
```

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

```
.background{ background-color: rgb(51, 255,  
189) }
```

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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