

Converting Colors

XYZ(45.3306, 75.5059, 55.1926)

Have a look what the booklet for
XYZ(45.3306, 75.5059, 55.1926)
contains.

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Color

**XYZ(45.3635, 75.5191,
55.3658)**

Conversions

Conversions Part 1

Format	Color
Hex	33FFB4
RGB	51, 255, 180
RGB Percent	20%, 100%, 71%
CMY	0.8000, 0.0000, 0.2941
CMYK	0.80, 0.00, 0.29, 0.00
HSL	158°, 100%, 60%
HSV	158°, 80%, 100%
XYZ	45.3635, 75.5191, 55.3658
YIQ	185.4540, -97.5090, -66.5730

Conversions

Conversions Part 2

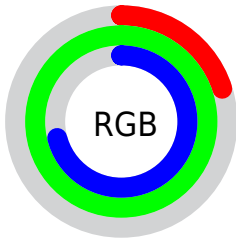
Format	Color
RYB	51, 176, 255
Decimal	3407796
CIELab	89.64, -64.58, 22.50
CIELCh	90, 68.388, 160.794
Yxy	75.5191, 0.2574, 0.4285
Android (android.graphics.Color)	4281597876 (0xFF33FFB4)
YUV	185.4540, -2.6888, -117.9162
Hunter-Lab	86.9017, -58.8994, 23.0571

Details

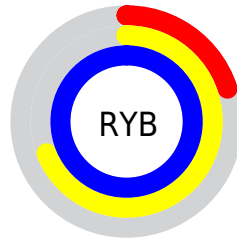
The XYZ color **45.3635, 75.5191, 55.3658** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light washed spring green. A complement of this color would be **46.1906, 25.1350, 22.1580**, and the grayscale version is **46.4216, 48.8392, 53.1859**.

A 20% lighter version of the original color is **60.1062, 82.3220, 92.0787**, and **23.7970, 41.4648, 26.8280** is the 20% darker color. If you saturate the color by 10%, you get **43.4888, 74.6593, 50.4607**, and if you desaturate by 10%, it is **48.0075, 76.7680, 60.6467**.

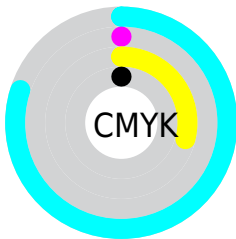
Distribution



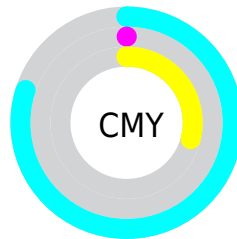
- Red (20%)
- Green (100%)
- Blue (71%)



- Red (20%)
- Yellow (69%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (29%)
- Black (0%)





- Cyan (80%)
- Magenta (0%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.3635, 75.5191, 55.3658 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 45.3635, 75.5191, 55.3658 by changing the saturation by 10% instead.


 45.3635, 75.5191,
55.3658


 45.3635, 75.5191,
55.3658

359.0027,
479.6999, 424.6180


 31.9463, 56.0383,
39.2941


 82.4993, 127.0469,
99.5532

 21.4759, 40.2336,
26.6790


 106.9487,
159.8626, 128.5060

 13.5867, 27.7207,
17.1020


 135.8062,
197.8922, 162.5896

 7.9136, 18.1152,
10.1445

 169.4371,
241.5198, 202.2225

 4.0910, 11.0328,
5.3880

208.2069,
291.1300, 247.8232

 1.7538, 6.0889,
2.4140

252.4809,

 0.4896, 2.8992,

347.1072, 299.8104

0.7940

302.6244,
409.8357, 358.6025

■ 0.0000, 1.0793,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 45.3635, 75.5191,
55.3658

■ 45.3635, 75.5191,
55.3658

■ 43.4888, 74.6593,
50.4607

■ 48.0075, 76.7680,
60.6467

■ 42.2154, 74.1022,
45.9131

■ 51.5206, 78.4574,
66.3108

■ 42.2150, 74.1020,
45.9115

■ 55.9893, 80.6316,
72.3695

■ 61.4885, 83.3292,
78.8325

■ 68.0855, 86.5847,
85.7089

■ 75.8415, 90.4295,
93.0072

■ 84.8134, 94.8929,
100.7360

■ 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.



52.6536, 75.5191, 30.1488



45.3635, 75.5191, 55.3658



44.4653, 75.5191, 100.8233

Triad

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



45.3635, 75.5191, 55.3658



78.0078, 75.5191, 210.9009



99.1534, 75.5191, 35.3428

Complementary

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



45.3635, 75.5191, 55.3658



46.1906, 25.1350, 22.1580

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.



108.4666, 75.5191, 66.0715



45.3635, 75.5191, 55.3658



95.0507, 75.5191, 174.1738

Square

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



45.3635, 75.5191, 55.3658



61.6563, 75.5191, 204.3806



106.8578, 75.5191, 116.6166



82.9524, 75.5191, 22.1068

Rectangle

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



45.3635, 75.5191, 55.3658



47.4265, 75.5191, 139.3480



106.8578, 75.5191, 116.6166



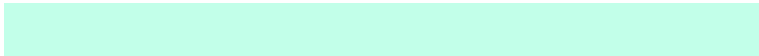
103.2997, 75.5191, 43.3386

Sweetspot

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



45.3642, 75.5194, 55.3671



72.5934, 88.8175, 90.0340



45.4423, 76.4424, 15.4928



14.9537, 18.7211, 18.7170



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

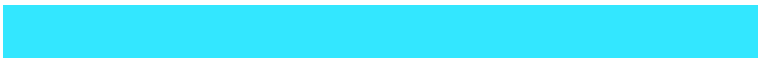
The Same Dimension uses a secret algorithm to generate beautiful new colors.



45.3642, 75.5194, 55.3671



42.6791, 74.3024, 47.6892



48.0479, 65.1885, 104.6580



18.2549, 20.3615, 21.6454



22.1327, 38.7497, 24.3817



2.2077, 3.7940, 2.6514

Inverse Universe

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



46.1906, 25.1350, 22.1580



43.6607, 22.4054, 14.1312



44.3408, 26.5053, 5.9120



18.2854, 18.0975, 20.1203



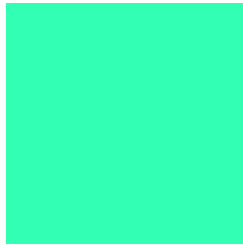
22.6642, 11.5550, 6.8821



2.2572, 1.1453, 0.9359

Previews

White Background



This preview shows how the XYZ color 45.3635, 75.5191, 55.3658 looks on a white background.

Color Contrast Check

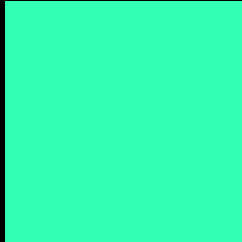
Large Text (above 18pt) WCAG AA × Fail

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 45.3635, 75.5191, 55.3658 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

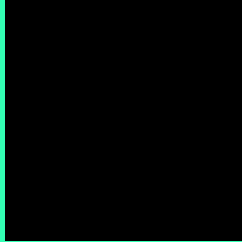
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.3635, 75.5191, 55.3658

Background



This preview shows how black text looks on a background with the XYZ color 45.3635, 75.5191, 55.3658.

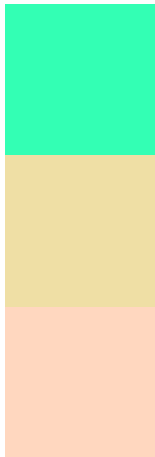


This preview shows how white text looks on a background with the XYZ color 45.3635, 75.5191,

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

45.3635, 75.5191, 55.3658

Protanopia

68.7758, 73.8427, 46.2255

Deuteranopia

74.9444, 73.6225, 59.5508



Tritanopia

59.7317, 74.5285, 105.8450

Trichromacy



Original Color

45.3635, 75.5191, 55.3658



Protanomaly

53.7586, 70.9769, 48.8967



Deuteranomaly

56.3225, 70.0052, 57.5576



Tritanomaly

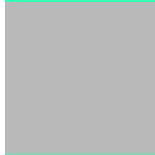
52.8403, 74.0944, 84.9155

Monochromacy



Original Color

45.3635, 75.5191, 55.3658



Achromatopsia

46.1135, 48.5150, 52.8328



Achromatomaly

41.7472, 54.7463, 53.1665

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.3635, 75.5191, 55.3658 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, 180)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 180)  
}
```

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, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 180) }
```

Border

The CSS property to change the border of an element to XYZ 45.3635, 75.5191, 55.3658 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, 180) }
```


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

```
.border{ border-color:rgb(51, 255, 180) }
```

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, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 180);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 45.3635, 75.5191, 55.3658 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, 180) }
```

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

```
.background{ background-color: rgb(51, 255,  
180) }
```

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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