

Converting Colors

XYZ(45.0250, 75.2260, 60.7089)

Have a look what the booklet for
XYZ(45.0250, 75.2260, 60.7089)
contains.

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Color

**XYZ(45.0543, 75.2377,
60.8629)**

Conversions

Conversions Part 1

Format	Color
Hex	00FFBE
RGB	0, 255, 190
RGB Percent	0%, 100%, 75%
CMY	0.9998, 0.0000, 0.2549
CMYK	1.00, 0.00, 0.25, 0.00
HSL	165°, 100%, 50%
HSV	165°, 100%, 100%
XYZ	45.0543, 75.2377, 60.8629
YIQ	171.3450, -131.1150, -74.2750

Conversions

Conversions Part 2

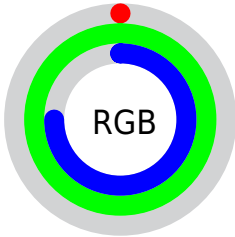
Format	Color
RYB	0, 146, 255
Decimal	65470
CIELab	89.50, -64.91, 17.15
CIELCh	90, 67.133, 165.196
Yxy	75.2377, 0.2487, 0.4153
Android (android.graphics.Color)	4278255550 (0xFF00FFBE)
YUV	171.3450, 9.1969, -150.2696
Hunter-Lab	86.7397, -59.0780, 19.1156

Details

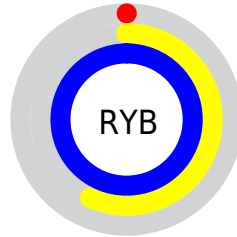
The XYZ color **45.0543, 75.2377, 60.8629** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle saturated spring green. A complement of this color would be **42.1958, 21.6431, 6.9609**, and the grayscale version is **38.8909, 40.9162, 44.5578**.

A 20% lighter version of the original color is **59.5970, 81.8868, 99.8534**, and **24.4816, 41.7386, 30.4330** is the 20% darker color. If you saturate the color by 10%, you get **45.0533, 75.2373, 60.8578**, and if you desaturate by 10%, it is **46.1956, 75.7421, 64.7102**.

Distribution



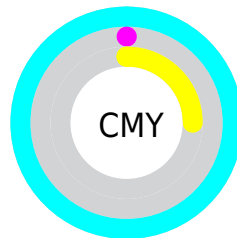
- Red (0%)
- Green (100%)
- Blue (75%)



- Red (0%)
- Yellow (57%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (25%)
- Black (0%)




- Cyan (100%)
- Magenta (0%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.0543, 75.2377, 60.8629 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 45.0543, 75.2377, 60.8629 by changing the saturation by 10% instead.


 45.0543, 75.2377,
60.8629


 45.0543, 75.2377,
60.8629


357.7734,
478.7342, 445.6638


 31.7017, 55.8076,
43.6847


 82.0385, 126.6488,
107.6360


 21.2882, 40.0487,
30.0873


 106.4007,
159.3986, 138.0680


 13.4485, 27.5765,
19.6523


 135.1635,
197.3571, 173.7549

 7.8172, 18.0067,
11.9610

 168.6922,
240.9087, 215.1155

 4.0290, 10.9548,
6.5949

 207.3522,
290.4379, 262.5681

 1.7186, 6.0364,
3.1355


251.5088,

 0.4678, 2.8673,


346.3289, 316.5313


1.1642


301.5274,
408.9662, 377.4237


 0.0000, 1.0628,
0.0000


 0.0000, 0.0000,
0.0000


 45.0543, 75.2377,
60.8629


 45.0543, 75.2377,
60.8629

 45.0533, 75.2373,
60.8578

 46.1956, 75.7421,
64.7102

 47.9074, 76.5369,
68.7505

 50.3551, 77.7074,
72.9949

 53.6399, 79.3055,
77.4501

■ 57.8465, 81.3750,
82.1220

■ 63.0491, 83.9541,
87.0160

■ 69.3141, 87.0770,
92.1373

■ 76.7023, 90.7749,
97.4905

■ 85.2695, 95.0766,
103.0800

Harmonies

Analogous

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



51.3118, 75.2377, 33.1872



45.0543, 75.2377, 60.8629



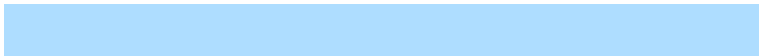
45.0956, 75.2377, 108.0706

Triad

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



45.0543, 75.2377, 60.8629



80.1382, 75.2377, 204.3258



96.2307, 75.2377, 32.9470

Complementary

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



45.0543, 75.2377, 60.8629



42.1958, 21.6431, 6.9609

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.



106.6348, 75.2377, 60.3716



45.0543, 75.2377, 60.8629



96.4179, 75.2377, 163.8997

Square

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



45.0543, 75.2377, 60.8629



63.7206, 75.2377, 204.6219



106.7082, 75.2377, 107.3499



79.9122, 75.2377, 21.7979

Rectangle

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



45.0543, 75.2377, 60.8629



48.6274, 75.2377, 146.1086



106.7082, 75.2377, 107.3499



100.6392, 75.2377, 39.9747

Sweetspot

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



45.0551, 75.2381, 60.8642



69.3024, 87.0712, 92.1283



38.1464, 72.7502, 12.0329



14.2398, 18.3404, 19.2511



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.



45.0551, 75.2381, 60.8642



45.0533, 75.2373, 60.8578



37.6802, 46.4795, 101.5932



18.3454, 20.3977, 22.1219



23.6050, 39.3386, 32.1348



2.3425, 3.8479, 3.3615

Inverse Universe

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



42.1958, 21.6431, 6.9609



42.1944, 21.6418, 6.9558



42.8318, 24.4432, 2.4618



18.1994, 18.0631, 19.6670



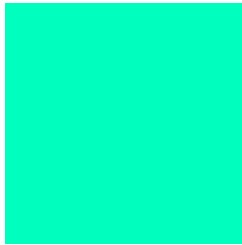
22.0980, 11.3285, 3.9008



2.1936, 1.1198, 0.6007

Previews

White Background



This preview shows how the XYZ color 45.0543, 75.2377, 60.8629 looks on a white background.

Color Contrast Check

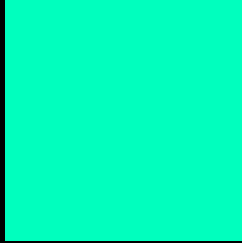
Large Text (above 18pt) WCAG AA × Fail

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 45.0543, 75.2377, 60.8629 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

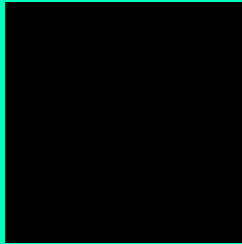
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

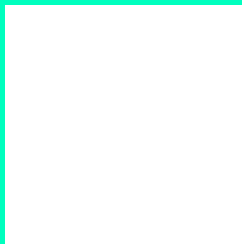
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.0543, 75.2377, 60.8629

Background



This preview shows how black text looks on a background with the XYZ color 45.0543, 75.2377, 60.8629.



This preview shows how white text looks on a background with the XYZ color 45.0543, 75.2377, 60.8629.

Color Blindness Simulation

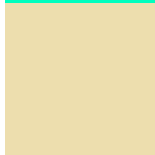
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



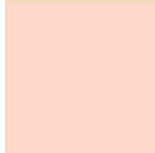
Original Color

45.0543, 75.2377, 60.8629



Protanopia

68.6863, 73.3031, 50.5731



Deuteranopia

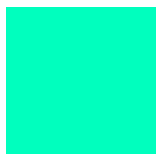
75.1173, 73.6070, 64.2813



Tritanopia

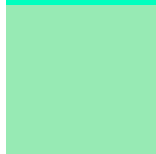
59.5266, 74.8585, 105.9195

Trichromacy



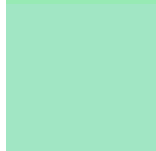
Original Color

45.0543, 75.2377, 60.8629



Protanomaly

50.4235, 68.7202, 53.7867



Deuteranomaly

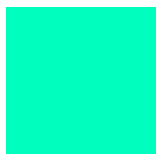
52.9586, 68.1562, 62.5888



Tritanomaly

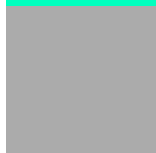
51.0067, 73.1006, 87.0228

Monochromacy



Original Color

45.0543, 75.2377, 60.8629



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

35.4631, 48.7066, 49.6517

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.0543, 75.2377, 60.8629 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(0, 255, 190)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 190)  
}
```

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(0, 255, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 190) }
```

Border

The CSS property to change the border of an element to XYZ 45.0543, 75.2377, 60.8629 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(0, 255, 190) }
```


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

```
.border{ border-color:rgb(0, 255, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 255, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 190);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 45.0543, 75.2377, 60.8629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 255, 190) }
```

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

```
.background{ background-color: rgb(0, 255,  
190) }
```

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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