

Converting Colors

XYZ(44.5170, 75.0228, 58.0335)

Have a look what the booklet for
XYZ(44.5170, 75.0228, 58.0335)
contains.

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Color

**XYZ(44.5170, 75.0228,
58.0335)**

Conversions

Conversions Part 1

Format	Color
Hex	00FFB9
RGB	0, 255, 185
RGB Percent	0%, 100%, 73%
CMY	0.9998, 0.0000, 0.2745
CMYK	1.00, 0.00, 0.27, 0.00
HSL	164°, 100%, 50%
HSV	164°, 100%, 100%
XYZ	44.5170, 75.0228, 58.0335
YIQ	170.7750, -129.5100, -75.8300

Conversions

Conversions Part 2

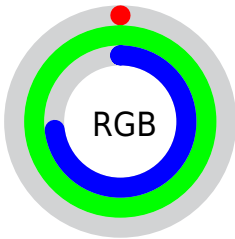
Format	Color
RYB	0, 148, 255
Decimal	65465
CIELab	89.40, -66.03, 19.57
CIELCh	89, 68.868, 163.488
Yxy	75.0228, 0.2507, 0.4225
Android (android.graphics.Color)	4278255545 (0xFF00FFB9)
YUV	170.7750, 7.0129, -149.7697
Hunter-Lab	86.6157, -59.8356, 20.9060

Details

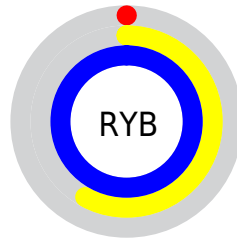
The XYZ color **44.5170, 75.0228, 58.0335** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle saturated spring green. A complement of this color would be **42.3472, 21.7036, 7.7580**, and the grayscale version is **38.6141, 40.6250, 44.2407**.

A 20% lighter version of the original color is **58.8396, 81.5839, 95.8652**, and **24.1311, 41.5984, 28.5873** is the 20% darker color. If you saturate the color by 10%, you get **44.5160, 75.0224, 58.0286**, and if you desaturate by 10%, it is **45.6892, 75.5395, 62.0436**.

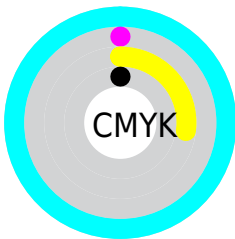
Distribution



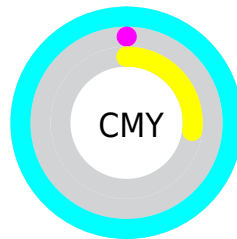
- Red (0%)
- Green (100%)
- Blue (73%)



- Red (0%)
- Yellow (58%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)




- Cyan (100%)
- Magenta (0%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.5170, 75.0228, 58.0335 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 44.5170, 75.0228, 58.0335 by changing the saturation by 10% instead.


 44.5170, 75.0228,
58.0335


 44.5170, 75.0228,
58.0335


355.6306,
477.9959, 434.9125

 31.2768, 55.6316,
41.4207


 81.2367, 126.3446,
103.4869

 20.9626, 39.9076,
28.3258


 105.4469,
159.0440, 133.1646


 13.2090, 27.4665,
18.3302


 134.0445,
196.9483, 168.0343

 7.6506, 17.9239,
11.0154

 167.3948,
240.4417, 208.5146

 3.9221, 10.8954,
5.9629

 205.8632,
289.9089, 255.0241

 1.6582, 5.9965,
2.7541

249.8151,

 0.4299, 2.8430,

345.7340, 307.9811

0.9705

299.6157,
408.3016, 367.8044

■ 0.0000, 1.0503,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 44.5170, 75.0228,
58.0335

■ 44.5170, 75.0228,
58.0335

■ 44.5160, 75.0224,
58.0286

■ 45.6892, 75.5395,
62.0436

■ 47.4366, 76.3486,
66.2719

■ 49.9248, 77.5352,
70.7302

■ 53.2551, 79.1516,
75.4256

■ 57.5123, 81.2413,
80.3648

■ 62.7708, 83.8428,
85.5535

■ 69.0970, 86.9901,
90.9973

■ 76.5516, 90.7146,
96.7014

■ 85.1908, 95.0451,
102.6708

Harmonies

Analogous

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



51.2379, 75.0228, 31.1371



44.5170, 75.0228, 58.0335



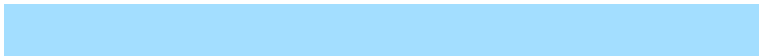
44.1943, 75.0228, 105.3185

Triad

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



44.5170, 75.0228, 58.0335



79.1407, 75.0228, 209.3584



97.5151, 75.0228, 32.9946

Complementary

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



44.5170, 75.0228, 58.0335



42.3472, 21.7036, 7.7580

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.



107.7153, 75.0228, 61.8847



44.5170, 75.0228, 58.0335



96.0319, 75.0228, 169.2861

Square

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



44.5170, 75.0228, 58.0335



62.4821, 75.0228, 206.9919



107.1333, 75.0228, 111.0262



80.9258, 75.0228, 21.0816

Rectangle

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



44.5170, 75.0228, 58.0335



47.5379, 75.0228, 144.3885



107.1333, 75.0228, 111.0262



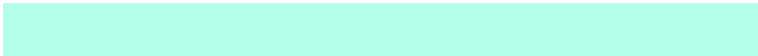
101.9136, 75.0228, 40.4138

Sweetspot

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



44.5177, 75.0231, 58.0348



69.0859, 86.9846, 90.9884



38.4536, 72.9086, 12.0472



14.1878, 18.3196, 18.9773



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.



44.5177, 75.0231, 58.0348



44.5160, 75.0224, 58.0286



38.6490, 48.4172, 101.9162



18.3296, 20.3914, 22.0385



23.3268, 39.2273, 30.6701



2.3174, 3.8379, 3.2291

Inverse Universe

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



42.3472, 21.7036, 7.7580



42.3458, 21.7023, 7.7529



42.6198, 24.0193, 2.3911



18.2142, 18.0690, 19.7453



22.1801, 11.3613, 4.3329



2.2033, 1.1237, 0.6519

Previews

White Background



This preview shows how the XYZ color 44.5170, 75.0228, 58.0335 looks on a white background.

Color Contrast Check

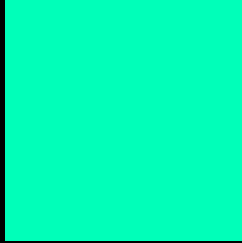
Large Text (above 18pt) WCAG AA × Fail

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 44.5170, 75.0228, 58.0335 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

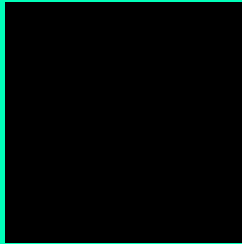
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 44.5170, 75.0228, 58.0335

Background



This preview shows how black text looks on a background with the XYZ color 44.5170, 75.0228, 58.0335.



This preview shows how white text looks on a background with the XYZ color 44.5170, 75.0228,

Color Blindness Simulation

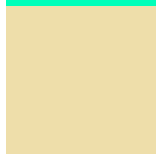
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



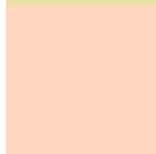
Original Color

44.5170, 75.0228, 58.0335



Protanopia

68.6369, 73.3220, 48.5652



Deuteranopia

74.6572, 73.0590, 61.2059



Tritanopia

58.9082, 74.1039, 105.8064

Trichromacy



Original Color

44.5170, 75.0228, 58.0335



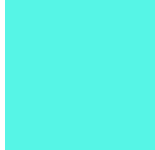
Protanomaly

49.9232, 68.5201, 51.1519



Deuteranomaly

52.3236, 67.4816, 59.5577



Tritanomaly

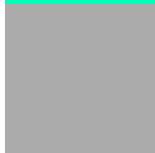
50.7731, 72.9964, 86.2766

Monochromacy



Original Color

44.5170, 75.0228, 58.0335



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

35.2637, 48.6269, 48.6016

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.5170, 75.0228, 58.0335 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, 185)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 185)  
}
```

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, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 185) }
```

Border

The CSS property to change the border of an element to XYZ 44.5170, 75.0228, 58.0335 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, 185) }
```


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

```
.border{ border-color:rgb(0, 255, 185) }
```

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, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 185);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 44.5170, 75.0228, 58.0335 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, 185) }
```

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

```
.background{ background-color: rgb(0, 255,  
185) }
```

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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