

Converting Colors

XYZ(45.2136, 75.1113, 57.7051)

Have a look what the booklet for
XYZ(45.2136, 75.1113, 57.7051)
contains.

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Color

**XYZ(45.0484, 74.8366,
57.4180)**

Conversions

Conversions Part 1

Format	Color
Hex	2AFE8
RGB	42, 254, 184
RGB Percent	16%, 100%, 72%
CMY	0.8353, 0.0039, 0.2784
CMYK	0.83, 0.00, 0.28, 0.00
HSL	160°, 99%, 58%
HSV	160°, 83%, 100%
XYZ	45.0484, 74.8366, 57.4180
YIQ	182.6320, -103.8820, -66.7140

Conversions

Conversions Part 2

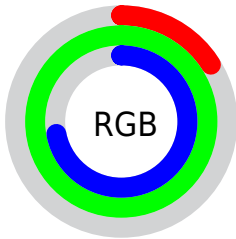
Format	Color
RYB	42, 169, 254
Decimal	2817720
CIELab	89.32, -64.11, 20.00
CIELCh	89, 67.159, 162.676
Yxy	74.8366, 0.2541, 0.4221
Android (android.graphics.Color)	4281007800 (0xFF2AFEB8)
YUV	182.6320, 0.6744, -123.3343
Hunter-Lab	86.5081, -58.4369, 21.2032

Details

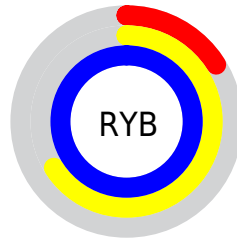
The XYZ color **45.0484, 74.8366, 57.4180** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light washed spring green. A complement of this color would be **44.6283, 23.8985, 17.5936**, and the grayscale version is **44.8481, 47.1837, 51.3831**.

A 20% lighter version of the original color is **60.0924, 82.2469, 95.1461**, and **23.8367, 41.1185, 28.1531** is the 20% darker color. If you saturate the color by 10%, you get **43.4658, 74.1213, 52.8907**, and if you desaturate by 10%, it is **47.3439, 75.9172, 62.2541**.

Distribution



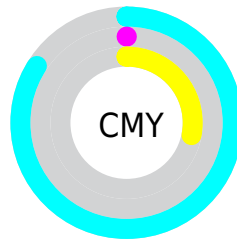
- Red (16%)
- Green (100%)
- Blue (72%)



- Red (16%)
- Yellow (66%)
- Blue (100%)



- Cyan (83%)
- Magenta (0%)
- Yellow (28%)
- Black (0%)





- Cyan (84%)
- Magenta (0%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.0484, 74.8366, 57.4180 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 45.0484, 74.8366, 57.4180 by changing the saturation by 10% instead.


 45.0484, 74.8366,
57.4180


 45.0484, 74.8366,
57.4180


357.7499,
477.3558, 432.5513


 31.6970, 55.4790,
40.9293


 82.0297, 126.0810,
102.5812


 21.2846, 39.7854,
27.9446


 106.3902,
158.7367, 132.0929

 13.4458, 27.3713,
18.0452


 135.1512,
196.5938, 166.7826

 7.8154, 17.8522,
10.8127

 168.6780,
240.0369, 207.0690

 4.0278, 10.8440,
5.8284

207.3359,
289.4502, 253.3705

 1.7179, 5.9620,
2.6739

251.4903,

 0.4674, 2.8220,

345.2182, 306.1057

0.9303

301.5065,
407.7252, 365.6931

■ 0.0000, 1.0395,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 45.0484, 74.8366,
57.4180

■ 45.0484, 74.8366,
57.4180

■ 43.4658, 74.1213,
52.8907

■ 47.3439, 75.9172,
62.2541

■ 42.7112, 73.7935,
50.0872

■ 50.4547, 77.4102,
67.4034

■ 54.4722, 79.3643,
72.8763

■ 59.4735, 81.8193,
78.6808

65.5273, 84.8104,
84.8243

72.6958, 88.3697,
91.3139

81.0365, 92.5267,
98.1563

90.6027, 97.3088,
105.3580

94.7331, 99.3663,
108.7944

Harmonies

Analogous

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



51.8046, 74.8366, 31.4494



45.0484, 74.8366, 57.4180



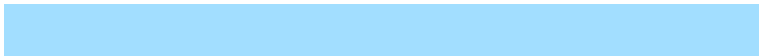
44.5615, 74.8366, 102.9784

Triad

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



45.0484, 74.8366, 57.4180



78.2849, 74.8366, 205.3522



96.9559, 74.8366, 34.2786

Complementary

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



45.0484, 74.8366, 57.4180



44.6283, 23.8985, 17.5936

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.



106.5896, 74.8366, 63.2108



45.0484, 74.8366, 57.4180



94.7473, 74.8366, 167.6690

Square

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



45.0484, 74.8366, 57.4180



62.1374, 74.8366, 201.8578



105.7243, 74.8366, 111.4808



80.9507, 74.8366, 22.0609

Rectangle

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



45.0484, 74.8366, 57.4180



47.7284, 74.8366, 140.6934



105.7243, 74.8366, 111.4808



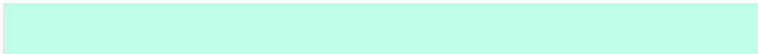
101.1498, 74.8366, 41.7696

Sweetspot

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



45.0504, 74.8396, 57.4197



72.1528, 88.5664, 91.0958



42.6296, 74.5427, 14.3329



14.8850, 18.6793, 19.0013



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.



45.0504, 74.8396, 57.4197



43.0913, 74.4525, 50.5263



44.0914, 58.1405, 102.6679



18.2848, 20.3735, 21.8029



22.5881, 38.9318, 26.7799



2.2499, 3.8109, 2.8737

Inverse Universe

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



44.6283, 23.8985, 17.5936



42.8482, 21.9033, 10.3987



43.9706, 26.5948, 5.0073



18.2567, 18.0860, 19.9689



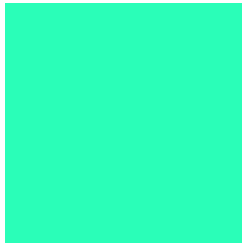
22.4503, 11.4694, 5.7555



2.2340, 1.1360, 0.8135

Previews

White Background



This preview shows how the XYZ color 45.0484, 74.8366, 57.4180 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 45.0484, 74.8366, 57.4180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

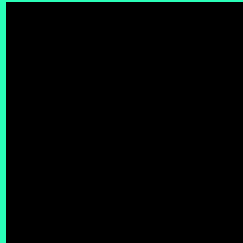
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

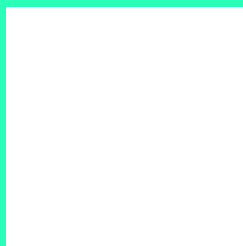
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.0484, 74.8366, 57.4180

Background



This preview shows how black text looks on a background with the XYZ color 45.0484, 74.8366, 57.4180.



This preview shows how white text looks on a background with the XYZ color 45.0484, 74.8366,

Color Blindness Simulation

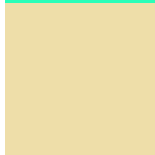
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



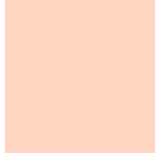
Original Color

45.0484, 74.8366, 57.4180



Protanopia

68.5426, 73.2843, 48.0688



Deuteranopia

74.5453, 73.0142, 60.6163



Tritanopia

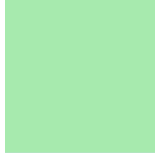
58.9082, 74.1039, 105.8064

Trichromacy



Original Color

45.0484, 74.8366, 57.4180



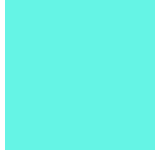
Protanomaly

52.9991, 70.1171, 50.7850



Deuteranomaly

55.4450, 69.1034, 59.1312



Tritanomaly

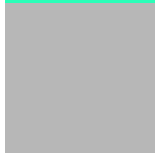
51.8604, 73.1252, 85.5100

Monochromacy



Original Color

45.0484, 74.8366, 57.4180



Achromatopsia

45.0092, 47.3531, 51.5676



Achromatomaly

40.8634, 53.9254, 53.0547

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.0484, 74.8366, 57.4180 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(42, 254, 184)` looks like.

```
.text, #text, p{  
    color:rgb(42, 254, 184)  
}
```

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(42, 254, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 254, 184) }
```

Border

The CSS property to change the border of an element to XYZ 45.0484, 74.8366, 57.4180 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(42, 254, 184) }
```


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

```
.border{ border-color:rgb(42, 254, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 254, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 254, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 254, 184);  
box-shadow:4px 4px 4px 4px rgb(42, 254,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 45.0484, 74.8366, 57.4180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 254, 184) }
```

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

```
.background{ background-color: rgb(42, 254,  
184) }
```

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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