

Converting Colors

XYZ(45.4787, 73.1403, 59.4861)

Have a look what the booklet for
XYZ(45.4787, 73.1403, 59.4861)
contains.

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Color

**XYZ(45.4427, 73.1259,
59.2966)**

Conversions

Conversions Part 1

Format	Color
Hex	41FABC
RGB	65, 250, 188
RGB Percent	25%, 98%, 74%
CMY	0.7451, 0.0196, 0.2627
CMYK	0.74, 0.00, 0.25, 0.02
HSL	160°, 95%, 62%
HSV	160°, 74%, 98%
XYZ	45.4427, 73.1259, 59.2966
YIQ	187.6170, -90.3580, -58.5020

Conversions

Conversions Part 2

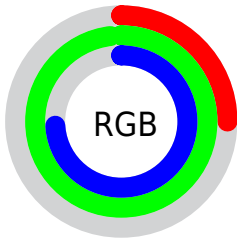
Format	Color
RYB	65, 176, 250
Decimal	4324028
CIELab	88.51, -59.49, 16.86
CIELCh	89, 61.836, 164.177
Yxy	73.1259, 0.2555, 0.4111
Android (android.graphics.Color)	4282514108 (0xFF41FABC)
YUV	187.6170, 0.1888, -107.5351
Hunter-Lab	85.5137, -54.7925, 18.7469

Details

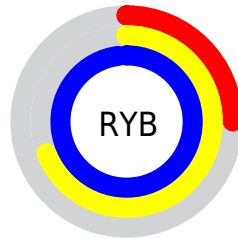
The XYZ color **45.4427, 73.1259, 59.2966** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed spring green. A complement of this color would be **45.1479, 25.6387, 22.6509**, and the grayscale version is **47.6206, 50.1005, 54.5595**.

A 20% lighter version of the original color is **62.4057, 83.3700, 98.3909**, and **23.2228, 39.4485, 29.3120** is the 20% darker color. If you saturate the color by 10%, you get **43.2621, 72.1050, 54.6166**, and if you desaturate by 10%, it is **48.4113, 74.5507, 64.2905**.

Distribution



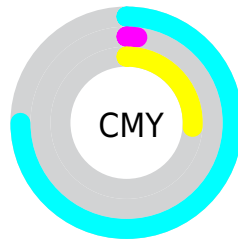
- Red (25%)
- Green (98%)
- Blue (74%)



- Red (25%)
- Yellow (69%)
- Blue (98%)



- Cyan (74%)
- Magenta (0%)
- Yellow (25%)
- Black (2%)





- Cyan (75%)
- Magenta (2%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.4427, 73.1259, 59.2966 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 45.4427, 73.1259, 59.2966 by changing the saturation by 10% instead.


 45.4427, 73.1259,
59.2966


 45.4427, 73.1259,
59.2966


359.3172,
471.4510, 439.7326


 32.0090, 54.0789,
42.4303


 82.6173, 123.6559,
105.3420


 21.5240, 38.6648,
29.1103


 107.0890,
155.9078, 135.3582

 13.6222, 26.4990,
18.9180


 135.9707,
193.3300, 170.5948

 7.9383, 17.1973,
11.4348

 169.6278,
236.3070, 211.4703

 4.1070, 10.3753,
6.2423

208.4256,
285.2233, 258.4033

 1.7628, 5.6485,
2.9218

252.7295,

 0.4951, 2.6325,

340.4631, 311.8124

1.0548

302.9049,
402.4109, 372.1159

■ 0.0000, 0.9431,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 45.4427, 73.1259,
59.2966

■ 45.4427, 73.1259,
59.2966

■ 43.2621, 72.1050,
54.6166

■ 48.4113, 74.5507,
64.2905


■ 41.7580, 71.4250,
50.2359


■ 52.2487, 76.4154,
69.6017


■ 41.0896, 71.1349,
47.7447


■ 57.0314, 78.7611,
75.2398

■ 62.8260, 81.6222,
81.2123

 69.6928, 85.0295,
87.5261

 77.6872, 89.0116,
94.1878

 86.8607, 93.5949,
101.2041

 93.4769, 96.8538,
108.3756

Harmonies

Analogous

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



51.4047, 73.1259, 34.1139



45.4427, 73.1259, 59.2966



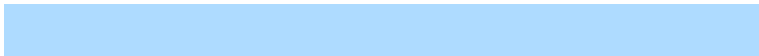
45.2826, 73.1259, 101.4332

Triad

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



45.4427, 73.1259, 59.2966



76.7525, 73.1259, 188.4750



92.1192, 73.1259, 35.0690

Complementary

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



45.4427, 73.1259, 59.2966



45.1479, 25.6387, 22.6509

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.



101.1121, 73.1259, 61.1851



45.4427, 73.1259, 59.2966



91.4194, 73.1259, 154.0689

Square

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



45.4427, 73.1259, 59.2966



61.9880, 73.1259, 187.3946



100.8392, 73.1259, 104.1297



77.6042, 73.1259, 23.9286

Rectangle

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



45.4427, 73.1259, 59.2966



48.4117, 73.1259, 135.1180



100.8392, 73.1259, 104.1297



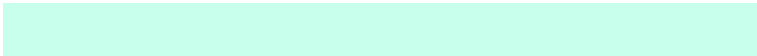
95.9747, 73.1259, 41.8799

Sweetspot

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



45.4447, 73.1288, 59.2983



74.4558, 89.7161, 92.9005



44.3098, 73.4821, 16.8502



15.4813, 18.9765, 19.4890



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.



45.4447, 73.1288, 59.2983



44.3706, 75.0197, 54.7564



45.6254, 60.4043, 99.7004



17.5041, 19.5039, 20.8549



21.8641, 37.7586, 25.6913



2.0743, 3.5168, 2.6389

Inverse Universe

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



45.1479, 25.6387, 22.6509



44.1608, 23.0946, 15.2568



44.2732, 28.4925, 8.1683



17.4846, 17.3212, 19.1415



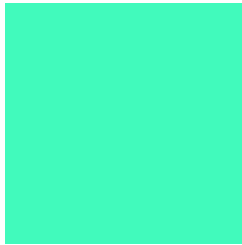
21.8159, 11.1421, 5.7391



2.0677, 1.0508, 0.7798

Previews

White Background



This preview shows how the XYZ color 45.4427, 73.1259, 59.2966 looks on a white background.

Color Contrast Check

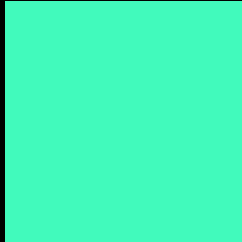
Large Text (above 18pt) WCAG AA × Fail

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 45.4427, 73.1259, 59.2966 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

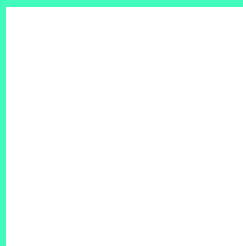
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.4427, 73.1259, 59.2966

Background



This preview shows how black text looks on a background with the XYZ color 45.4427, 73.1259, 59.2966.

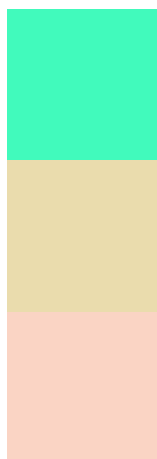


This preview shows how white text looks on a background with the XYZ color 45.4427, 73.1259,

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

45.4427, 73.1259, 59.2966

Protanopia

67.0677, 71.6960, 49.8390

Deuteranopia

72.9316, 71.3965, 62.1615



Tritanopia

57.0820, 72.7290, 105.6373

Trichromacy



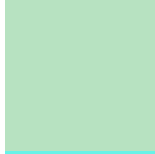
Original Color

45.4427, 73.1259, 59.2966



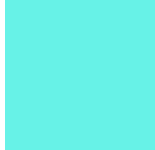
Protanomaly

53.8454, 69.2504, 52.6482



Deuteranomaly

56.3504, 68.3102, 60.6673



Tritanomaly

51.7695, 72.1573, 86.8005

Monochromacy



Original Color

45.4427, 73.1259, 59.2966



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

43.6991, 56.0590, 56.0942

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4427, 73.1259, 59.2966 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(65, 250, 188)` looks like.

```
.text, #text, p{  
    color:rgb(65, 250, 188)  
}
```

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(65, 250, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 250, 188) }
```

Border

The CSS property to change the border of an element to XYZ 45.4427, 73.1259, 59.2966 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(65, 250, 188) }
```


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

```
.border{ border-color:rgb(65, 250, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 250, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 250, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 250, 188);  
box-shadow:4px 4px 4px 4px rgb(65, 250,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4427, 73.1259, 59.2966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 250, 188) }
```

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

```
.background{ background-color: rgb(65, 250,  
188) }
```

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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