

Converting Colors

XYZ(46.1341, 73.9237, 58.7722)

Have a look what the booklet for
XYZ(46.1341, 73.9237, 58.7722)
contains.

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Color

**XYZ(46.1393, 73.9599,
58.8576)**

Conversions

Conversions Part 1

Format	Color
Hex	48FBBB
RGB	72, 251, 187
RGB Percent	28%, 98%, 73%
CMY	0.7176, 0.0157, 0.2667
CMYK	0.71, 0.00, 0.25, 0.02
HSL	159°, 96%, 63%
HSV	159°, 71%, 98%
XYZ	46.1393, 73.9599, 58.8576
YIQ	190.1830, -86.1400, -57.8520

Conversions

Conversions Part 2

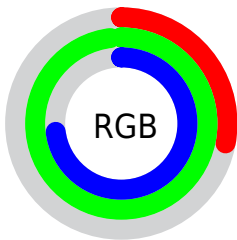
Format	Color
RYB	72, 181, 251
Decimal	4783035
CIELab	88.90, -59.21, 17.95
CIELCh	89, 61.871, 163.138
Yxy	73.9599, 0.2578, 0.4133
Android (android.graphics.Color)	4282973115 (0xFF48FBBB)
YUV	190.1830, -1.5692, -103.6465
Hunter-Lab	85.9999, -54.7340, 19.6224

Details

The XYZ color **46.1393, 73.9599, 58.8576** 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 **46.5474, 26.9233, 26.0390**, and the grayscale version is **49.0954, 51.6521, 56.2492**.

A 20% lighter version of the original color is **63.0930, 83.7418, 97.6325**, and **23.3730, 39.8612, 29.0163** is the 20% darker color. If you saturate the color by 10%, you get **43.7050, 72.8145, 53.8850**, and if you desaturate by 10%, it is **49.4008, 75.5286, 64.1857**.

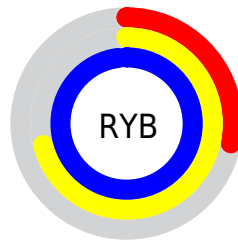
Distribution



Red (28%)

Green (98%)

Blue (73%)



Red (28%)

Yellow (71%)

Blue (98%)

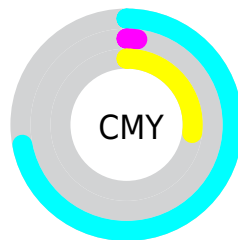


Cyan (71%)

Magenta (0%)

Yellow (25%)

Black (2%)



Cyan (72%)


Magenta (2%)


Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.1393, 73.9599, 58.8576 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 46.1393, 73.9599, 58.8576 by changing the saturation by 10% instead.


 46.1393, 73.9599,
58.8576


 46.1393, 73.9599,
58.8576


362.0750,
474.3350, 438.0612


 32.5608, 54.7612,
42.0792


 83.6540, 124.8390,
104.6978


 21.9479, 39.2106,
28.8373


 108.3210,
157.2881, 134.5966

 13.9350, 26.9236,
18.7133


 137.4149,
194.9229, 169.7061

 8.1569, 17.5158,
11.2886

 171.3010,
238.1277, 210.4447

 4.2481, 10.6030,
6.1447

210.3447,
287.2869, 257.2310

 1.8434, 5.8005,
2.8630

254.9113,

 0.5436, 2.7242,

342.7849, 310.4834

1.0251

305.3663,
405.0062, 370.6207

■ 0.0000, 0.9895,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.1393, 73.9599,
58.8576

■ 46.1393, 73.9599,
58.8576

■ 43.7050, 72.8145,
53.8850

■ 49.4008, 75.5286,
64.1857

■ 41.9914, 72.0318,
49.2524


■ 53.5675, 77.5551,
69.8735


■ 40.9541, 71.5792,
45.4943


■ 58.7145, 80.0797,
75.9316

■ 64.9074, 83.1362,
82.3683

 72.2057, 86.7551,
89.1916

 80.6644, 90.9648,
96.4090

 90.3348, 95.7915,
104.0279

 93.7885, 97.4769,
108.4795

Harmonies

Analogous

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



52.3543, 73.9599, 34.0253



46.1393, 73.9599, 58.8576



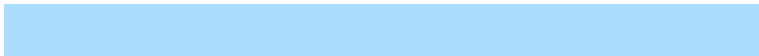
45.7737, 73.9599, 100.8124

Triad

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



46.1393, 73.9599, 58.8576



77.0617, 73.9599, 190.7962



93.5260, 73.9599, 36.2089

Complementary

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



46.1393, 73.9599, 58.8576



46.5474, 26.9233, 26.0390

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.



102.3086, 73.9599, 63.1682



46.1393, 73.9599, 58.8576



91.9310, 73.9599, 157.1409

Square

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



46.1393, 73.9599, 58.8576



62.2541, 73.9599, 188.3363



101.6865, 73.9599, 106.9593



79.0037, 73.9599, 24.5065

Rectangle

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



46.1393, 73.9599, 58.8576



48.7963, 73.9599, 134.6815



101.6865, 73.9599, 106.9593



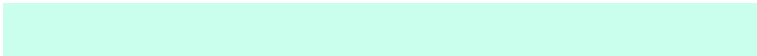
97.3341, 73.9599, 43.2742

Sweetspot

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



46.1413, 73.9628, 58.8593



75.0875, 90.0475, 92.6682



46.0899, 74.8374, 18.1478



15.5970, 19.0381, 19.4071



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.



46.1413, 73.9628, 58.8593



44.3719, 75.0476, 53.5269



47.5930, 63.3568, 100.9908



17.4869, 19.4971, 20.7648



21.5984, 37.6524, 24.2922



2.0509, 3.5075, 2.5161

Inverse Universe

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



46.5474, 26.9233, 26.0390



44.9055, 23.7211, 18.1649



45.1263, 29.3205, 9.4130



17.5010, 17.3278, 19.2280



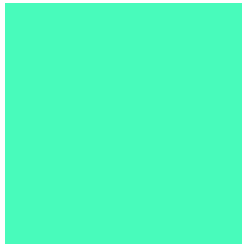
21.9392, 11.1914, 6.3884



2.0805, 1.0559, 0.8473

Previews

White Background



This preview shows how the XYZ color 46.1393, 73.9599, 58.8576 looks on a white background.

Color Contrast Check

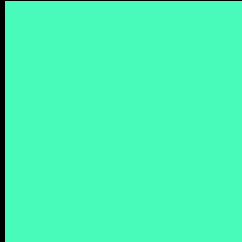
Large Text (above 18pt) WCAG AA × Fail

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 46.1393, 73.9599, 58.8576 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

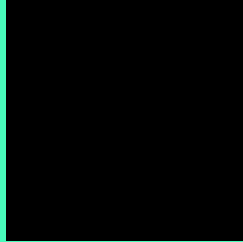
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.1393, 73.9599, 58.8576

Background



This preview shows how black text looks on a background with the XYZ color 46.1393, 73.9599, 58.8576.

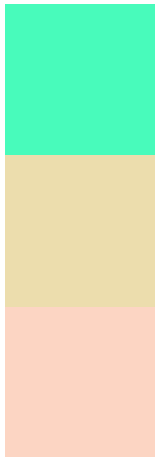


This preview shows how white text looks on a background with the XYZ color 46.1393, 73.9599,

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

46.1393, 73.9599, 58.8576

Protanopia

67.9913, 72.5629, 49.9577

Deuteranopia

73.7895, 72.2241, 61.6813



Tritanopia

58.1403, 73.2746, 105.6868

Trichromacy



Original Color

46.1393, 73.9599, 58.8576



Protanomaly

54.7970, 70.1577, 52.7732



Deuteranomaly

57.4770, 69.3087, 60.2177



Tritanomaly

52.7639, 73.1294, 86.1973

Monochromacy



Original Color

46.1393, 73.9599, 58.8576



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

44.7614, 56.9641, 56.7801

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1393, 73.9599, 58.8576 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(72, 251, 187)` looks like.

```
.text, #text, p{  
    color:rgb(72, 251, 187)  
}
```

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(72, 251, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 251, 187) }
```

Border

The CSS property to change the border of an element to XYZ 46.1393, 73.9599, 58.8576 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(72, 251, 187) }
```


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

```
.border{ border-color:rgb(72, 251, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 251, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 251, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 251, 187);  
box-shadow:4px 4px 4px 4px rgb(72, 251,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1393, 73.9599, 58.8576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 251, 187) }
```

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

```
.background{ background-color: rgb(72, 251,  
187) }
```

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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