

Converting Colors

XYZ(46.1308, 73.4368, 59.2991)

Have a look what the booklet for
XYZ(46.1308, 73.4368, 59.2991)
contains.

XYZ(46.1644, 73.4979, 59.3304)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(46.1644, 73.4979,
59.3304)**

Conversions

Conversions Part 1

Format	Color
Hex	4BFABC
RGB	75, 250, 188
RGB Percent	29%, 98%, 74%
CMY	0.7059, 0.0196, 0.2627
CMYK	0.70, 0.00, 0.25, 0.02
HSL	159°, 95%, 64%
HSV	159°, 70%, 98%
XYZ	46.1644, 73.4979, 59.3304
YIQ	190.6070, -84.3980, -56.3820

Conversions

Conversions Part 2

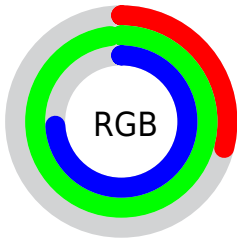
Format	Color
RYB	75, 181, 250
Decimal	4979388
CIELab	88.68, -58.20, 17.13
CIElCh	89, 60.666, 163.594
Yxy	73.4979, 0.2579, 0.4106
Android (android.graphics.Color)	4283169468 (0xFF4BFABC)
YUV	190.6070, -1.2853, -101.3873
Hunter-Lab	85.7309, -53.9104, 18.9798

Details

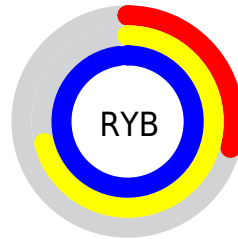
The XYZ color **46.1644, 73.4979, 59.3304** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed spring green. A complement of this color would be **46.4583, 27.1642, 26.4646**, and the grayscale version is **49.3380, 51.9074, 56.5272**.

A 20% lighter version of the original color is **63.5907, 83.9809, 98.4463**, and **23.2228, 39.4485, 29.3120** is the 20% darker color. If you saturate the color by 10%, you get **43.6539, 72.3125, 54.3815**, and if you desaturate by 10%, it is **49.5052, 75.1083, 64.6274**.

Distribution



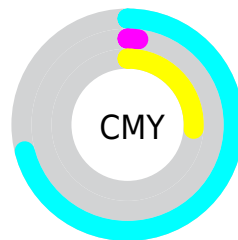
- Red (29%)
- Green (98%)
- Blue (74%)



- Red (29%)
- Yellow (71%)
- Blue (98%)



- Cyan (70%)
- Magenta (0%)
- Yellow (25%)
- Black (2%)





- Cyan (71%)
- Magenta (2%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.1644, 73.4979, 59.3304 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 46.1644, 73.4979, 59.3304 by changing the saturation by 10% instead.


 46.1644, 73.4979,
59.3304


 46.1644, 73.4979,
59.3304

362.1741,
472.7386, 439.8612


 32.5807, 54.3832,
42.4574


 83.6913, 124.1838,
105.3916


 21.9632, 38.9081,
29.1314


 108.3653,
156.5238, 135.4168

 13.9463, 26.6882,
18.9338


 137.4668,
194.0409, 170.6631

 8.1648, 17.3392,
11.4461

 171.3612,
237.1197, 211.5492

 4.2532, 10.4766,
6.2498

210.4137,
286.1444, 258.4935

 1.8464, 5.7161,
2.9263

254.9898,

 0.5454, 2.6732,

341.4996, 311.9146

1.0571

305.4548,
403.5695, 372.2309

■ 0.0000, 0.9636,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.1644, 73.4979,
59.3304

■ 46.1644, 73.4979,
59.3304

■ 43.6539, 72.3125,
54.3815

■ 49.5052, 75.1083,
64.6274

■ 41.8708, 71.4937,
49.7655


■ 53.7517, 77.1768,
70.2764


■ 40.6579, 70.9622,
45.4712


■ 58.9772, 79.7430,
76.2877


■ 40.6577, 70.9621,
45.4703

■ 65.2457, 82.8398,
82.6693

 72.6154, 86.4970,
89.4289

 81.1404, 90.7425,
96.5738

 90.8708, 95.6020,
104.1110

 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.



52.1741, 73.4979, 34.6561



46.1644, 73.4979, 59.3304



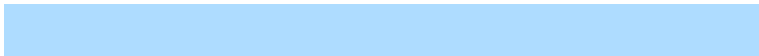
45.8935, 73.4979, 100.5316

Triad

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



46.1644, 73.4979, 59.3304



76.6918, 73.4979, 186.8770



92.3157, 73.4979, 36.2835

Complementary

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



46.1644, 73.4979, 59.3304



46.4583, 27.1642, 26.4646

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.



100.9796, 73.4979, 62.5187



46.1644, 73.4979, 59.3304



91.1435, 73.4979, 153.8511

Square

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



46.1644, 73.4979, 59.3304



62.1978, 73.4979, 185.0790



100.5228, 73.4979, 105.0504



78.1217, 73.4979, 24.8937

Rectangle

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



46.1644, 73.4979, 59.3304



48.9175, 73.4979, 133.4947



100.5228, 73.4979, 105.0504



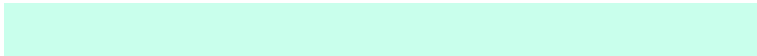
96.0546, 73.4979, 43.1663

Sweetspot

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



46.1664, 73.5008, 59.3321



75.1128, 90.0577, 92.8016



46.1334, 74.3857, 18.5842



15.6030, 19.0405, 19.4389



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.



46.1664, 73.5008, 59.3321



44.8142, 75.2464, 54.8676



47.5373, 63.1569, 100.1309



17.4894, 19.4980, 20.7779



21.6363, 37.6675, 24.4917



2.0543, 3.5088, 2.5337

Inverse Universe

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



46.4583, 27.1642, 26.4646



45.2188, 24.1092, 19.0048



45.0955, 29.6319, 10.0005



17.4986, 17.3268, 19.2154



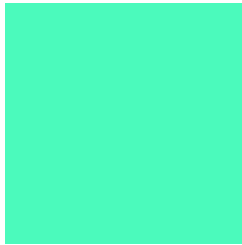
21.9207, 11.1840, 6.2910



2.0786, 1.0552, 0.8372

Previews

White Background



This preview shows how the XYZ color 46.1644, 73.4979, 59.3304 looks on a white background.

Color Contrast Check

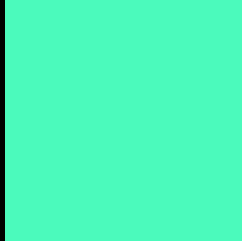
Large Text (above 18pt) WCAG AA × Fail

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 46.1644, 73.4979, 59.3304 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

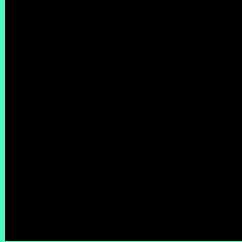
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

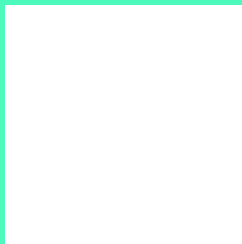
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.1644, 73.4979, 59.3304

Background



This preview shows how black text looks on a background with the XYZ color 46.1644, 73.4979, 59.3304.

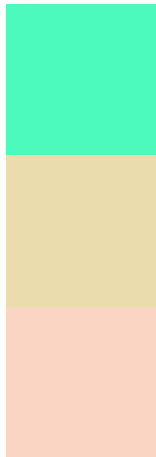


This preview shows how white text looks on a background with the XYZ color 46.1644, 73.4979,

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

46.1644, 73.4979, 59.3304

Protanopia

67.4941, 71.9046, 50.3660

Deuteranopia

73.5417, 72.0833, 62.2619



Tritanopia

57.8305, 73.1149, 105.6723

Trichromacy



Original Color

46.1644, 73.4979, 59.3304



Protanomaly

54.8441, 69.7536, 53.2210



Deuteranomaly

57.3155, 68.8078, 60.7125



Tritanomaly

52.6063, 72.5888, 86.8397

Monochromacy



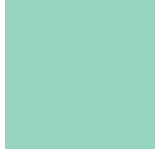
Original Color

46.1644, 73.4979, 59.3304



Achromatopsia

49.5206, 52.0996, 56.7364



Achromatomaly

45.2322, 57.1942, 57.3708

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1644, 73.4979, 59.3304 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(75, 250, 188)` looks like.

```
.text, #text, p{  
    color:rgb(75, 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(75, 250, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 250, 188) }
```

Border

The CSS property to change the border of an element to XYZ 46.1644, 73.4979, 59.3304 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(75, 250, 188) }
```


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

```
.border{ border-color:rgb(75, 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(75, 250, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 250, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 250, 188);  
box-shadow:4px 4px 4px 4px rgb(75, 250,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1644, 73.4979, 59.3304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 250, 188) }
```

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

```
.background{ background-color: rgb(75, 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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