

# Converting Colors

XYZ(44.2226, 73.2746, 53.9598)

Have a look what the booklet for  
XYZ(44.2226, 73.2746, 53.9598)  
contains.

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# Color

**XYZ(44.1086, 73.0209,  
53.8892)**

# Conversions

## Conversions Part 1

Format	Color
Hex	37FBB2
RGB	55, 251, 178
RGB Percent	22%, 98%, 70%
CMY	0.7843, 0.0157, 0.3020
CMYK	0.78, 0.00, 0.29, 0.02
HSL	158°, 96%, 60%
HSV	158°, 78%, 98%
XYZ	44.1086, 73.0209, 53.8892
YIQ	184.0740, -93.3830, -64.2550

# Conversions

## Conversions Part 2

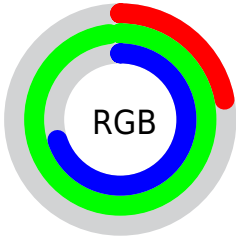
<b>Format</b>	<b>Color</b>
<b>RYB</b>	55, 175, 251
Decimal	3668914
CIELab	88.46, -63.14, 21.90
CIELCh	88, 66.831, 160.873
Yxy	73.0209, 0.2579, 0.4270
Android (android.graphics.Color)	4281858994 (0xFF37FBB2)
YUV	184.0740, -2.9945, -113.1979
Hunter-Lab	85.4523, -57.4037, 22.4262

# Details

The XYZ color **44.1086, 73.0209, 53.8892** 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 **45.0486, 24.8018, 22.8382**, and the grayscale version is **45.6560, 48.0337, 52.3087**.

A 20% lighter version of the original color is **59.9714, 82.2858, 90.5638**, and **22.7716, 39.6206, 25.8494** is the 20% darker color. If you saturate the color by 10%, you get **42.1601, 72.1231, 49.0648**, and if you desaturate by 10%, it is **46.8232, 74.3100, 59.0866**.

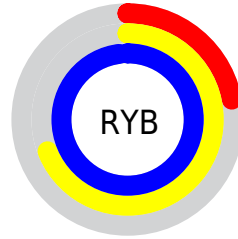
# Distribution



Red (22%)

Green (98%)

Blue (70%)



Red (22%)

Yellow (69%)

Blue (98%)

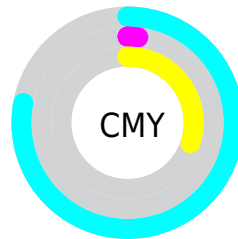


Cyan (78%)

Magenta (0%)

Yellow (29%)

Black (2%)



Cyan (78%)

Magenta (2%)


Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.1086, 73.0209, 53.8892 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 44.1086, 73.0209, 53.8892 by changing the saturation by 10% instead.





 44.1086, 73.0209,  
53.8892


 44.1086, 73.0209,  
53.8892


353.9960,  
471.0872, 418.8500


 30.9542, 53.9931,  
38.1205


 80.6265, 123.5069,  
97.3663


 20.7156, 38.5961,  
25.7737


 104.7206,  
155.7338, 125.9118

 13.0276, 26.4457,  
16.4302


 133.1921,  
193.1292, 159.5533

 7.5247, 17.1573,  
9.6714

 166.4061,  
236.0775, 198.7094

 3.8416, 10.3467,  
5.0789

204.7282,  
284.9630, 243.7985

 1.6129, 5.6295,  
2.2341

248.5237,

 0.4008, 2.6211,

340.1702, 295.2393

0.6939

298.1578,  
402.0835, 353.4503

■ 0.0000, 0.9373,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 44.1086, 73.0209,  
53.8892

■ 44.1086, 73.0209,  
53.8892

■ 42.1601, 72.1231,  
49.0648

■ 46.8232, 74.3100,  
59.0866

■ 40.8431, 71.5417,  
44.5958

■ 50.3924, 76.0303,  
64.6629

■ 40.6283, 71.4488,  
43.7786

■ 54.8984, 78.2258,  
70.6297

■ 60.4117, 80.9328,  
76.9963

66.9959, 84.1840,  
83.7717

74.7091, 88.0090,  
90.9644

83.6051, 92.4357,  
98.5825

93.4353, 97.3357,  
106.6200

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.



51.0812, 73.0209, 29.6026



44.1086, 73.0209, 53.8892



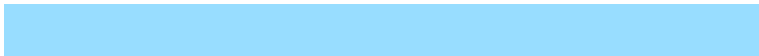
43.2630, 73.0209, 97.3990

# Triad

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



44.1086, 73.0209, 53.8892



75.3986, 73.0209, 201.9509



95.4944, 73.0209, 34.5139

# Complementary

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



44.1086, 73.0209, 53.8892



45.0486, 24.8018, 22.8382

# 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.



104.3934, 73.0209, 63.9530



44.1086, 73.0209, 53.8892



91.6559, 73.0209, 166.9711

# Square

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



44.1086, 73.0209, 53.8892



59.7622, 73.0209, 195.8745



102.8892, 73.0209, 112.1780



80.0311, 73.0209, 21.7753



# Rectangle

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



44.1086, 73.0209, 53.8892



46.1140, 73.0209, 134.1218



102.8892, 73.0209, 112.1780



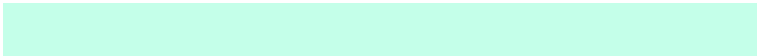
99.4531, 73.0209, 42.1890

# Sweetspot

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



44.1105, 73.0238, 53.8909



73.3462, 89.1948, 90.5575



44.4156, 74.0297, 15.5636



15.0966, 18.7928, 18.8119



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.



44.1105, 73.0238, 53.8909



42.8192, 74.3670, 48.0395



46.7705, 63.3404, 101.0310



17.4756, 19.4925, 20.7050



21.4279, 37.5842, 23.3946



2.0359, 3.5015, 2.4367



# Inverse Universe

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



45.0486, 24.8018, 22.8382



43.9433, 22.6215, 15.3019



43.1903, 26.2168, 6.3993



17.5119, 17.3321, 19.2857



22.0264, 11.2263, 6.8474

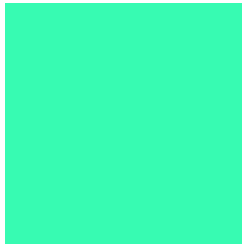


2.0894, 1.0595, 0.8943



# Previews

## White Background



This preview shows how the XYZ color 44.1086, 73.0209, 53.8892 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

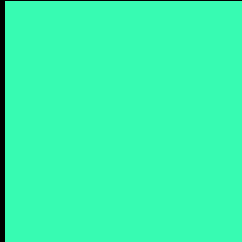
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 44.1086, 73.0209, 53.8892 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

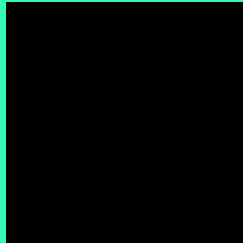
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 44.1086, 73.0209, 53.8892**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.1086, 73.0209, 53.8892.



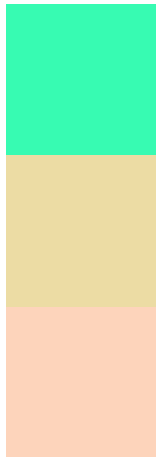
This preview shows how white text looks on a background with the XYZ color 44.1086, 73.0209, 53.8892.



# 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

44.1086, 73.0209, 53.8892

### Protanopia

66.8861, 71.6996, 45.4361

### Deuteranopia

73.0211, 71.5575, 56.9771



## Tritanopia

56.7929, 72.5800, 105.6238

# Trichromacy



## Original Color

44.1086, 73.0209, 53.8892



## Protanomaly

52.3149, 68.5624, 48.0127



## Deuteranomaly

54.9041, 67.6772, 55.5166



## Tritanomaly

50.9527, 72.2439, 83.9320

# Monochromacy



## Original Color

44.1086, 73.0209, 53.8892



## Achromatopsia

45.5594, 47.9320, 52.1980



## Achromatomaly

41.3159, 53.8075, 52.4643

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.1086, 73.0209, 53.8892 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(55, 251, 178)` looks like.

```
.text, #text, p{  
    color:rgb(55, 251, 178)  
}
```

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(55, 251, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 251, 178) }
```

## Border

The CSS property to change the border of an element to XYZ 44.1086, 73.0209, 53.8892 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(55, 251, 178) }
```



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

```
.border{ border-color:rgb(55, 251, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 251, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 251, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 251, 178);  
box-shadow:4px 4px 4px 4px rgb(55, 251,  
178) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.1086, 73.0209, 53.8892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 251, 178) }
```

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

```
.background{ background-color: rgb(55, 251,  
178) }
```

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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