

# Converting Colors

XYZ(43.2112, 51.3718, 70.5919)

Have a look what the booklet for  
XYZ(43.2112, 51.3718, 70.5919)  
contains.

<b>XYZ(43.0811, 51.1399, 70.5512)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(43.0811, 51.1399,  
70.5512)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8BC7D5
RGB	139, 199, 213
RGB Percent	55%, 78%, 84%
CMY	0.4549, 0.2196, 0.1647
CMYK	0.35, 0.07, 0.00, 0.16
HSL	191°, 47%, 69%
HSV	191°, 35%, 84%
XYZ	43.0811, 51.1399, 70.5512
YIQ	182.6560, -40.2540, -8.3660

# Conversions

## Conversions Part 2

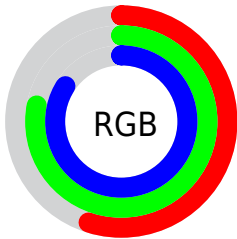
<b>Format</b>	<b>Color</b>
<b>RYB</b>	139, 172, 213
Decimal	9160661
CIELab	76.76, -15.77, -13.13
CIELCh	77, 20.516, 219.786
Yxy	51.1399, 0.2615, 0.3104
Android (android.graphics.Color)	4287350741 (0xFF8BC7D5)
YUV	182.6560, 14.9596, -38.2863
Hunter-Lab	71.5122, -17.6125, -8.4348

# Details

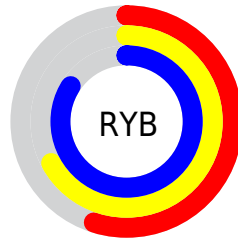
The XYZ color **43.0811, 51.1399, 70.5512** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **43.4928, 38.7932, 29.6228**, and the grayscale version is **44.7591, 47.0901, 51.2811**.

A 20% lighter version of the original color is **76.3157, 90.3421, 108.0232**, and **20.0433, 24.6507, 36.0494** is the 20% darker color. If you saturate the color by 10%, you get **38.9507, 47.6537, 70.0969**, and if you desaturate by 10%, it is **47.9320, 55.0364, 71.0485**.

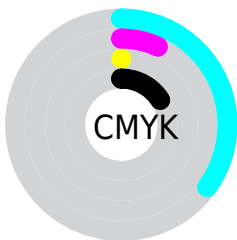
# Distribution



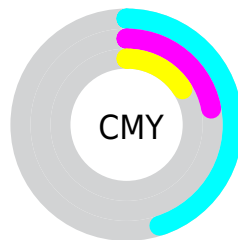
- Red (55%)
- Green (78%)
- Blue (84%)



- Red (55%)
- Yellow (67%)
- Blue (84%)



- Cyan (35%)
- Magenta (7%)
- Yellow (0%)
- Black (16%)




- Cyan (45%)
- Magenta (22%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.0811, 51.1399, 70.5512 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 43.0811, 51.1399, 70.5512 by changing the saturation by 10% instead.





 43.0811, 51.1399,  
70.5512


 43.0811, 51.1399,  
70.5512

349.8610,  
391.1071, 481.3243


 30.1436, 36.3200,  
51.4964


 79.0882, 91.8615,  
121.6829

 20.0962, 24.6814,  
36.2244


 102.8884,  
118.5320, 154.5970

 12.5737, 15.8399,  
24.3165


 131.0403,  
149.9215, 192.9679

 7.2106, 9.4109,  
15.3542

163.9091,  
186.4143, 237.2143

 3.6416, 5.0102,  
8.9190

201.8602,  
228.3949, 287.7545

 1.5015, 2.2532,  
4.5923

245.2590,

 0.3268, 0.7488,

276.2476, 345.0073

1.9556

294.4708,  
330.3569, 409.3910

■ 0.0000, 0.0000,  
0.5277

■ 0.0000, 0.0000,  
0.0000

■ 43.0811, 51.1399,  
70.5512

■ 43.0811, 51.1399,  
70.5512

■ 38.9507, 47.6537,  
70.0969

■ 47.9320, 55.0364,  
71.0485

■ 35.4956, 44.5506,  
69.6800

■ 53.5361, 59.3567,  
71.5870

■ 32.6726, 41.8092,  
69.2997

■ 59.9297, 64.1210,  
72.1697

■ 30.4313, 39.4033,  
68.9534

■ 67.1452, 69.3462,  
72.7979

■ 28.7134, 37.3025,  
68.6385

■ 75.2132, 75.0485,  
73.4734

■ 27.4477, 35.4699,  
68.3514

■ 79.6859, 78.9351,  
73.9878

■ 26.8983, 34.5800,  
68.2086

■ 80.7764, 81.1162,  
74.3513

■ 81.8928, 83.3489,  
74.7234

■ 83.0351, 85.6335,  
75.1042

# Harmonies

## Analogous

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



41.6003, 51.1399, 59.4046



43.0811, 51.1399, 70.5512



46.0672, 51.1399, 78.3085

# Triad

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



43.0811, 51.1399, 70.5512



55.9717, 51.1399, 63.4198



47.3463, 51.1399, 37.1231

# Complementary

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



43.0811, 51.1399, 70.5512



43.4928, 38.7932, 29.6228

# 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.



51.2384, 51.1399, 37.8978



43.0811, 51.1399, 70.5512



56.3593, 51.1399, 52.1195

# Square

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



43.0811, 51.1399, 70.5512



53.5538, 51.1399, 73.8254



54.5862, 51.1399, 43.0653



43.9745, 51.1399, 40.7861



# Rectangle

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



43.0811, 51.1399, 70.5512



48.5789, 51.1399, 79.9768



54.5862, 51.1399, 43.0653



48.6350, 51.1399, 36.8858

# Sweetspot

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



43.0826, 51.1419, 70.5524



84.7633, 92.4412, 107.9832



40.1568, 55.3641, 38.5207



17.8548, 19.5709, 23.0865



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

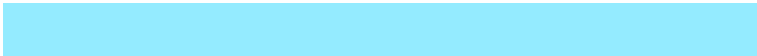


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



43.0826, 51.1419, 70.5524



59.8788, 72.7748, 105.4987



35.6556, 36.2879, 68.0767



12.5832, 13.6899, 15.9167



16.5013, 21.2644, 41.6879



1.0479, 1.3879, 2.5320



# Inverse Universe

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



46.9833, 36.7362, 58.6495



66.7722, 48.3916, 84.2222



50.4215, 52.6508, 31.9324



12.8476, 12.5905, 15.1376



21.3880, 10.4915, 25.1448

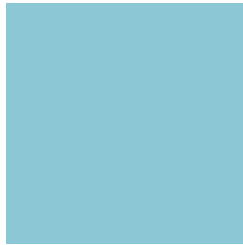


1.3166, 0.6434, 1.6566



# Previews

## White Background



This preview shows how the XYZ color 43.0811, 51.1399, 70.5512 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

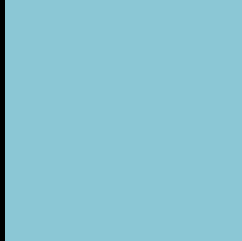
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.0811, 51.1399, 70.5512 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

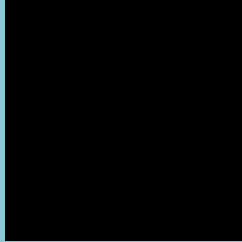
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 43.0811, 51.1399, 70.5512

## Background



This preview shows how black text looks on a background with the XYZ color 43.0811, 51.1399, 70.5512.



This preview shows how white text looks on a background with the XYZ color 43.0811, 51.1399,



# 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

43.0811, 51.1399, 70.5512

### Protanopia

49.4044, 50.5617, 65.5480

### Deuteranopia

51.7833, 50.7082, 72.0241



## Tritanopia

43.3366, 51.2421, 71.8966

# Trichromacy



## Original Color

43.0811, 51.1399, 70.5512

## Protanomaly

46.7170, 50.4111, 67.5897

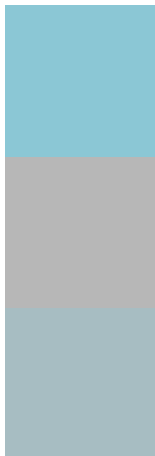
## Deuteranomaly

47.9189, 50.3002, 71.4733

## Tritanomaly

43.2085, 51.1909, 71.2218

# Monochromacy



## Original Color

43.0811, 51.1399, 70.5512

## Achromatopsia

45.0092, 47.3531, 51.5676

## Achromatomaly

43.8716, 48.5057, 58.0892

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.0811, 51.1399, 70.5512 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(139, 199, 213)` looks like.

```
.text, #text, p{  
    color:rgb(139, 199, 213)  
}
```

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(139, 199, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 199, 213) }
```

## Border

The CSS property to change the border of an element to XYZ 43.0811, 51.1399, 70.5512 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".

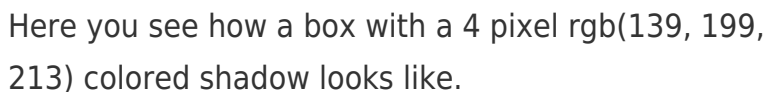
```
.border, #border, table{ border:4px solid rgb(139, 199, 213) }
```



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

```
.border{ border-color:rgb(139, 199, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(139, 199, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(139, 199, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(139, 199, 213); box-shadow:4px 4px 4px 4px rgb(139, 199, 213) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.0811, 51.1399, 70.5512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 199, 213) }
```

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

```
.background{ background-color: rgb(139,  
199, 213) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor