

# Converting Colors

XYZ(39.7373, 51.7686, 58.9369)

Have a look what the booklet for  
XYZ(39.7373, 51.7686, 58.9369)  
contains.

<b>XYZ(39.7373, 51.7686, 58.9369)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(39.7373, 51.7686,  
58.9369)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7BCDC2
RGB	123, 205, 194
RGB Percent	48%, 80%, 76%
CMY	0.5176, 0.1961, 0.2392
CMYK	0.40, 0.00, 0.05, 0.20
HSL	172°, 45%, 64%
HSV	172°, 40%, 80%
XYZ	39.7373, 51.7686, 58.9369
YIQ	179.2280, -45.3410, -20.8050

# Conversions

## Conversions Part 2

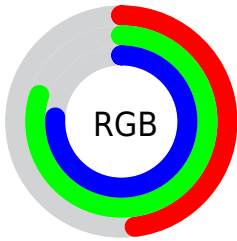
Format	Color
<a href="#">RYB</a>	<a href="#">123, 167, 205</a>
Decimal	<a href="#">8113602</a>
CIELab	<a href="#">77.14, -27.60, -2.40</a>
CIELCh	<a href="#">77, 27.707, 184.978</a>
Yxy	<a href="#">51.7686, 0.2641, 0.3441</a>
Android (android.graphics.Color)	<a href="#">4286303682 (0xFF7BCDC2)</a>
YUV	<a href="#">179.2280, 7.2826, -49.3120</a>
Hunter-Lab	<a href="#">71.9504, -27.3299, 1.7989</a>

# Details

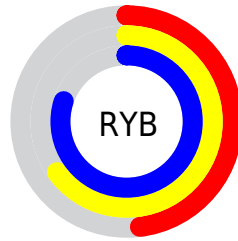
The XYZ color **39.7373, 51.7686, 58.9369** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **36.5646, 28.8678, 26.2011**, and the grayscale version is **42.9502, 45.1870, 49.2086**.

A 20% lighter version of the original color is **71.6057, 88.0058, 103.6553**, and **18.0239, 24.9351, 28.6739** is the 20% darker color. If you saturate the color by 10%, you get **36.8005, 50.2913, 57.2027**, and if you desaturate by 10%, it is **43.2969, 53.5689, 60.7323**.

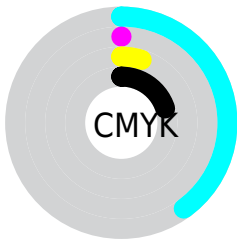
# Distribution



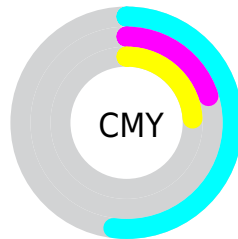
- Red (48%)
- Green (80%)
- Blue (76%)



- Red (48%)
- Yellow (65%)
- Blue (80%)



- Cyan (40%)
- Magenta (0%)
- Yellow (5%)
- Black (20%)




- Cyan (52%)
- Magenta (20%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.7373, 51.7686, 58.9369 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 39.7373, 51.7686, 58.9369 by changing the saturation by 10% instead.




 39.7373, 51.7686,  
58.9369


 39.7373, 51.7686,  
58.9369


336.1685,  
393.5426, 438.3634


 27.5171, 36.8207,  
42.1426


 74.0502, 92.7899,  
104.8142

 18.1005, 25.0687,  
28.8866


 96.8736, 119.6320,  
134.7343

 11.1223, 16.1282,  
18.7502


 123.9621,  
151.2077, 169.8667

 6.2171, 9.6149,  
11.3149

155.6810,  
187.9013, 210.6301

 3.0194, 5.1444,  
6.1623

192.3958,  
230.0971, 257.4429

 1.1640, 2.3322,  
2.8736

234.4717,

 0.0777, 0.7907,

278.1797, 310.7237

1.0305

282.2742,  
332.5334, 370.8910

■ 0.0000, 0.0000,  
0.0000

■ 39.7373, 51.7686,  
58.9369

■ 39.7373, 51.7686,  
58.9369

■ 36.8005, 50.2913,  
57.2027

■ 43.2969, 53.5689,  
60.7323

■ 34.4432, 49.1108,  
55.5242

■ 47.5101, 55.7042,  
62.5872

■ 32.6241, 48.2070,  
53.9005


■ 52.4111, 58.1934,  
64.5045


■ 31.2939, 47.5547,  
52.3290


■ 58.0302, 61.0521,  
66.4857


■ 30.3946, 47.1238,  
50.8068

■ 64.3962, 64.2952,  
68.5323


 29.8178, 46.8586,  
49.3288

 71.5360, 67.9365,  
70.6458

 29.8177, 46.8586,  
49.3287

 75.1149, 69.7414,  
72.6234

 75.4676, 69.8825,  
74.4809

 75.8263, 70.0260,  
76.3698

# Harmonies

## Analogous

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



40.5385, 51.7686, 44.9053



39.7373, 51.7686, 58.9369



41.3203, 51.7686, 74.8014

# Triad

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



39.7373, 51.7686, 58.9369



55.2786, 51.7686, 83.8121



53.6405, 51.7686, 33.8475

# Complementary

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



39.7373, 51.7686, 58.9369



36.5646, 28.8678, 26.2011

# 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.



58.0327, 51.7686, 41.2415



39.7373, 51.7686, 58.9369



59.0251, 51.7686, 69.6302

# Square

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



39.7373, 51.7686, 58.9369



50.0938, 51.7686, 90.7154



60.0673, 51.7686, 53.8733



48.3258, 51.7686, 32.0110



# Rectangle

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



39.7373, 51.7686, 58.9369



43.5865, 51.7686, 83.7953



60.0673, 51.7686, 53.8733



55.2856, 51.7686, 35.6911

# Sweetspot

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



39.7388, 51.7707, 58.9381



84.0205, 94.3897, 104.9702



35.4481, 50.2706, 26.5748



17.7494, 20.0842, 22.3784



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.



39.7388, 51.7707, 58.9381



60.8874, 82.6811, 94.0844



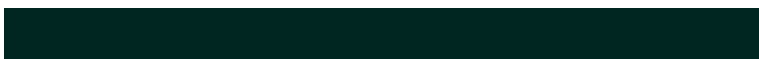
34.7736, 39.7890, 63.6071



11.4760, 12.7001, 14.0640



18.5876, 29.1803, 30.8428



0.9773, 1.5127, 1.6880



# Inverse Universe

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



36.5646, 28.8678, 26.2011



54.9995, 40.0964, 33.2838



39.9333, 36.7701, 23.7326



11.2726, 11.2378, 11.9701



15.8207, 8.1389, 1.5083

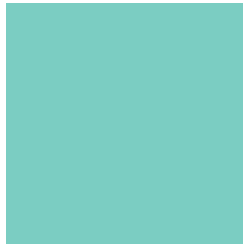


0.8367, 0.4281, 0.1859



# Previews

## White Background



This preview shows how the XYZ color 39.7373, 51.7686, 58.9369 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

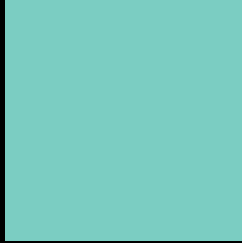
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.7373, 51.7686, 58.9369 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

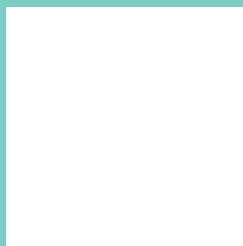
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 39.7373, 51.7686, 58.9369**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.7373, 51.7686, 58.9369.



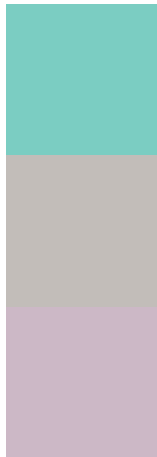
This preview shows how white text looks on a background with the XYZ color 39.7373, 51.7686,



# 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

39.7373, 51.7686, 58.9369

### Protanopia

49.2027, 51.3673, 53.2206

### Deuteranopia

52.2354, 51.1956, 60.5547



## Tritanopia

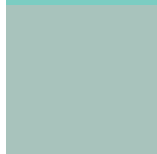
42.5948, 51.5024, 74.0256

# Trichromacy



## Original Color

39.7373, 51.7686, 58.9369



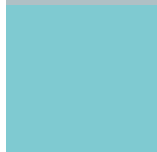
## Protanomaly

44.7407, 50.9859, 55.0601



## Deuteranomaly

46.6069, 50.8445, 60.1808



## Tritanomaly

41.3815, 51.3565, 68.0534

# Monochromacy



## Original Color

39.7373, 51.7686, 58.9369



## Achromatopsia

42.8472, 45.0786, 49.0906



## Achromatomaly

40.9330, 46.7981, 52.2229

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.7373, 51.7686, 58.9369 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(123, 205, 194)` looks like.

```
.text, #text, p{  
    color:rgb(123, 205, 194)  
}
```

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(123, 205, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 205, 194) }
```

## Border

The CSS property to change the border of an element to XYZ 39.7373, 51.7686, 58.9369 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(123, 205, 194) }
```



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

```
.border{ border-color:rgb(123, 205, 194) }
```

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

Here you see how a box with a 4 pixel rgb(123, 205, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 205, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 205, 194);  
box-shadow:4px 4px 4px 4px rgb(123, 205,  
194) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.7373, 51.7686, 58.9369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 205, 194) }
```

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

```
.background{ background-color: rgb(123,  
205, 194) }
```

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