

# Converting Colors

XYZ(39.0726, 49.6553, 71.2782)

Have a look what the booklet for  
XYZ(39.0726, 49.6553, 71.2782)  
contains.

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# Color

**XYZ(39.0876, 49.7541,  
71.1617)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6BC9D6
RGB	107, 201, 214
RGB Percent	42%, 79%, 84%
CMY	0.5804, 0.2118, 0.1608
CMYK	0.50, 0.06, 0.00, 0.16
HSL	187°, 57%, 63%
HSV	187°, 50%, 84%
XYZ	39.0876, 49.7541, 71.1617
YIQ	174.3760, -60.1970, -15.8850

# Conversions

## Conversions Part 2

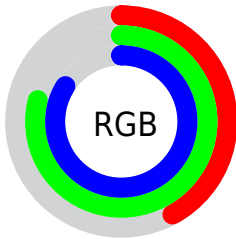
Format	Color
<a href="#">RYB</a>	<a href="#">107, 157, 214</a>
Decimal	<a href="#">7064022</a>
CIELab	<a href="#">75.92, -24.38, -15.08</a>
CIELCh	<a href="#">76, 28.665, 211.751</a>
Yxy	<a href="#">49.7541, 0.2443, 0.3110</a>
Android (android.graphics.Color)	<a href="#">4285254102</a> ( <a href="#">0xFF6BC9D6</a> )
YUV	<a href="#">174.3760, 19.5346, -59.0888</a>
Hunter-Lab	<a href="#">70.5366, -24.5239, -10.4398</a>

# Details

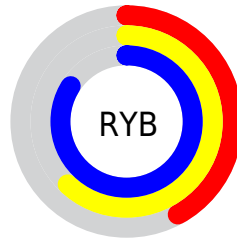
The XYZ color **39.0876, 49.7541, 71.1617** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **37.1028, 28.7915, 17.5130**, and the grayscale version is **40.3516, 42.4530, 46.2313**.

A 20% lighter version of the original color is **69.3270, 86.7393, 107.6962**, and **17.7304, 23.9061, 36.4807** is the 20% darker color. If you saturate the color by 10%, you get **36.2257, 47.3877, 70.8567**, and if you desaturate by 10%, it is **42.5995, 52.4730, 71.5023**.

# Distribution



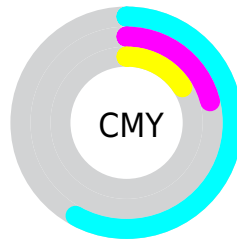
- Red (42%)
- Green (79%)
- Blue (84%)



- Red (42%)
- Yellow (62%)
- Blue (84%)



- Cyan (50%)
- Magenta (6%)
- Yellow (0%)
- Black (16%)



- Cyan (58%)
- Magenta (21%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.0876, 49.7541, 71.1617 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 39.0876, 49.7541, 71.1617 by changing the saturation by 10% instead.



■ 39.0876, 49.7541,  
71.1617

■ 39.0876, 49.7541,  
71.1617

333.4635,  
385.7035, 483.5174

■ 27.0089, 35.2181,  
51.9915

■ 73.0653, 89.8104,  
122.5605

■ 17.7165, 23.8309,  
36.6161

■ 95.6951, 116.0995,  
155.6263

■ 10.8451, 15.2082,  
24.6170

■ 122.5726,  
147.0750, 194.1610

■ 6.0293, 8.9657,  
15.5755

154.0632,  
183.1215, 238.5831

■ 2.9037, 4.7188,  
9.0732

190.5322,  
224.6231, 289.3113

■ 1.1031, 2.0832,  
4.6915

232.3450,

■ 0.0277, 0.6552,

271.9644, 346.7641

2.0119

279.8670,  
325.5298, 411.3599

■ 0.0000, 0.0000,  
0.5626

■ 0.0000, 0.0000,  
0.0000

■ 39.0876, 49.7541,  
71.1617

■ 39.0876, 49.7541,  
71.1617

■ 36.2257, 47.3877,  
70.8567

■ 42.5995, 52.4730,  
71.5023

■ 33.9611, 45.3434,  
70.5814


■ 46.7997, 55.5609,  
71.8769


■ 32.2410, 43.5947,  
70.3346


■ 51.7290, 59.0401,  
72.2887


■ 31.0003, 42.1083,  
70.1130

■ 57.4238, 62.9293,  
72.7392


 30.1221, 40.8236,  
69.9114


 63.9179, 67.2461,  
73.2302

 30.1219, 40.8234,  
69.9113

 71.2430, 72.0069,  
73.7630

 78.7618, 76.8832,  
74.3080

 79.4462, 78.2520,  
74.5361

 80.1412, 79.6420,  
74.7678

# Harmonies

## Analogous

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



37.7544, 49.7541, 55.0768



39.0876, 49.7541, 71.1617



42.5961, 49.7541, 84.4136

# Triad

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



39.0876, 49.7541, 71.1617



56.9200, 49.7541, 69.3122



46.9769, 49.7541, 29.7834

# Complementary

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



39.0876, 49.7541, 71.1617



37.1028, 28.7915, 17.5130

# 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.



52.3162, 49.7541, 32.1857



39.0876, 49.7541, 71.1617



58.3090, 49.7541, 53.2806

# Square

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



39.0876, 49.7541, 71.1617



52.8993, 49.7541, 83.2123



56.5659, 49.7541, 40.1305



42.0915, 49.7541, 32.8245



# Rectangle

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



39.0876, 49.7541, 71.1617



45.8323, 49.7541, 88.7838



56.5659, 49.7541, 40.1305



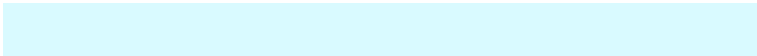
48.7778, 49.7541, 29.9787

# Sweetspot

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



39.0891, 49.7560, 71.1629



80.8865, 90.5245, 107.8175



33.4700, 52.5635, 25.9884



16.9336, 19.1159, 23.0472



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.



39.0891, 49.7560, 71.1629



53.6441, 70.2740, 105.3446



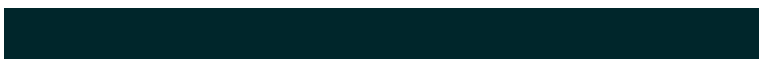
28.7948, 29.1673, 67.7314



12.6575, 13.8383, 15.9415



18.2579, 24.7776, 42.2734



1.1383, 1.5686, 2.5621



# Inverse Universe

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



43.5331, 29.0299, 58.5692



61.1918, 36.8429, 83.5584



45.3269, 45.2397, 20.2543



12.8851, 12.6055, 15.3349



22.2746, 10.8462, 29.8138

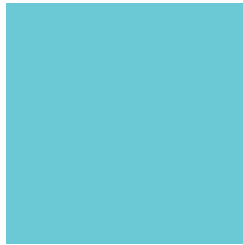


1.3622, 0.6617, 1.8967



# Previews

## White Background



This preview shows how the XYZ color 39.0876, 49.7541, 71.1617 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

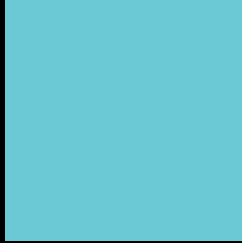
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.0876, 49.7541, 71.1617 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 39.0876, 49.7541, 71.1617

## Background



This preview shows how black text looks on a background with the XYZ color 39.0876, 49.7541, 71.1617.



This preview shows how white text looks on a background with the XYZ color 39.0876, 49.7541,



# 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

39.0876, 49.7541, 71.1617

### Protanopia

48.0152, 49.2479, 64.1019

### Deuteranopia

50.3691, 49.3367, 73.1979



## Tritanopia

39.5954, 49.9712, 73.2041

# Trichromacy



## Original Color

39.0876, 49.7541, 71.1617

## Protanomaly

43.7263, 48.8836, 66.8054

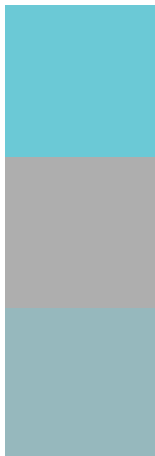
## Deuteranomaly

45.0201, 48.7759, 72.6875

## Tritanomaly

39.4657, 49.9193, 72.5211

# Monochromacy



## Original Color

39.0876, 49.7541, 71.1617

## Achromatopsia

40.2316, 42.3268, 46.0938

## Achromatomaly

38.9035, 44.4391, 54.6713

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.0876, 49.7541, 71.1617 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(107, 201, 214)` looks like.

```
.text, #text, p{  
    color:rgb(107, 201, 214)  
}
```

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(107, 201, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 201, 214) }
```

## Border

The CSS property to change the border of an element to XYZ 39.0876, 49.7541, 71.1617 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(107, 201, 214) }
```



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

```
.border{ border-color:rgb(107, 201, 214) }
```

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

Here you see how a box with a 4 pixel rgb(107, 201, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 201, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 201, 214);  
box-shadow:4px 4px 4px 4px rgb(107, 201,  
214) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.0876, 49.7541, 71.1617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 201, 214) }
```

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

```
.background{ background-color: rgb(107,  
201, 214) }
```

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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