

# Converting Colors

XYZ(35.4081, 48.3998, 78.7112)

Have a look what the booklet for  
XYZ(35.4081, 48.3998, 78.7112)  
contains.

<b>XYZ(35.3985, 48.3811, 78.7070)</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(35.3985, 48.3811,  
78.7070)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1BCBE1
RGB	27, 203, 225
RGB Percent	11%, 80%, 88%
CMY	0.8940, 0.2039, 0.1176
CMYK	0.88, 0.10, 0.00, 0.12
HSL	187°, 79%, 49%
HSV	187°, 88%, 88%
XYZ	35.3985, 48.3811, 78.7070
YIQ	152.8840, -111.9580, -30.4700

# Conversions

## Conversions Part 2

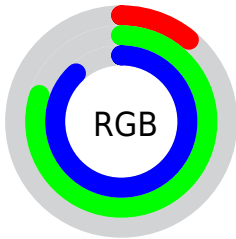
Format	Color
<a href="#">RYB</a>	<a href="#">27, 120, 225</a>
Decimal	<a href="#">1821665</a>
CIELab	<a href="#">75.06, -32.78, -22.49</a>
CIELCh	<a href="#">75, 39.753, 214.445</a>
Yxy	<a href="#">48.3811, 0.2179, 0.2978</a>
Android (android.graphics.Color)	<a href="#">4280011745 (0xFF1BCBE1)</a>
YUV	<a href="#">152.8840, 35.5532, -110.4003</a>
Hunter-Lab	<a href="#">69.5565, -30.8822, -18.4003</a>

# Details

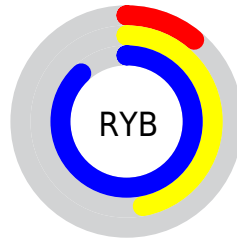
The XYZ color **35.3985, 48.3811, 78.7070** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **32.3492, 18.2857, 2.8629**, and the grayscale version is **30.1169, 31.6853, 34.5053**.

A 20% lighter version of the original color is **60.8802, 82.3848, 107.3009**, and **17.8456, 24.0821, 41.7380** is the 20% darker color. If you saturate the color by 10%, you get **34.4183, 47.0073, 78.4944**, and if you desaturate by 10%, it is **36.8347, 50.0061, 78.9459**.

# Distribution



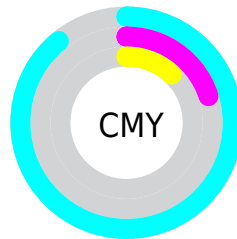
- Red (11%)
- Green (80%)
- Blue (88%)



- Red (11%)
- Yellow (47%)
- Blue (88%)



- Cyan (88%)
- Magenta (10%)
- Yellow (0%)
- Black (12%)




- Cyan (89%)
- Magenta (20%)
- Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.3985, 48.3811, 78.7070 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 35.3985, 48.3811, 78.7070 by changing the saturation by 10% instead.




 35.3985, 48.3811,  
78.7070


 35.3985, 48.3811,  
78.7070


317.8011,  
380.3007, 510.1560


 24.1380, 34.1288,  
58.1350


 67.4326, 87.7716,  
133.3412

 15.5613, 22.9926,  
41.5018


 88.9369, 113.6785,  
168.2406

 9.3031, 14.5880,  
28.3887


 114.5865,  
144.2391, 208.7528

 4.9981, 8.5308,  
18.3773

 144.7467,  
179.8377, 255.2964

 2.2809, 4.4364,  
11.0490

 179.7829,  
220.8588, 308.2900

 0.7849, 1.9206,  
5.9852

220.0605,

 0.0000, 0.5607,

267.6867, 368.1521

2.7674

265.9447,  
320.7059, 435.3013

■ 0.0000, 0.0000,  
0.9772

■ 0.0000, 0.0000,  
0.0000

■ 35.3985, 48.3811,  
78.7070

■ 35.3985, 48.3811,  
78.7070

■ 34.4183, 47.0073,  
78.4944

■ 36.8347, 50.0061,  
78.9459

■ 34.2450, 46.7448,  
78.4529

■ 38.8218, 51.9283,  
79.2122

■ 41.4320, 54.1860,  
79.5104

■ 44.7255, 56.8102,  
79.8433

■ 48.7552, 59.8284,  
80.2135

■ 53.5688, 63.2652,  
80.6232

■ 59.2100, 67.1431,  
81.0744

■ 65.7191, 71.4831,  
81.5690

■ 73.1339, 76.3046,  
82.1088

# Harmonies

## Analogous

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



33.4145, 48.3811, 55.8415



35.3985, 48.3811, 78.7070



40.2174, 48.3811, 97.6513

# Triad

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



35.3985, 48.3811, 78.7070



59.7762, 48.3811, 71.8931



44.9103, 48.3811, 22.0087

# Complementary

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



35.3985, 48.3811, 78.7070



32.3492, 18.2857, 2.8629

# 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.



52.2788, 48.3811, 24.1978



35.3985, 48.3811, 78.7070



61.3680, 48.3811, 49.6379

# Square

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



35.3985, 48.3811, 78.7070



54.3487, 48.3811, 93.0456



58.4956, 48.3811, 33.1329



38.5263, 48.3811, 26.0915



# Rectangle

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



35.3985, 48.3811, 78.7070



44.6456, 48.3811, 103.3832



58.4956, 48.3811, 33.1329



47.3504, 48.3811, 22.0465

# Sweetspot

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



35.4000, 48.3829, 78.7082



72.4166, 84.9098, 107.1802



27.8878, 54.2883, 11.6795



14.9820, 17.8116, 22.8983



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

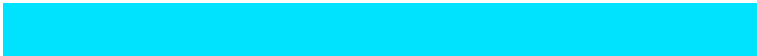


# Same Dimension

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



35.4000, 48.3829, 78.7082



45.4275, 61.9751, 104.1758



19.2198, 16.0223, 73.3148



13.9797, 15.2985, 17.6038



19.7870, 27.0436, 45.2254



1.4091, 1.9497, 3.1473



# Inverse Universe

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



42.2241, 21.1047, 58.3498



55.0589, 26.7876, 74.6995



41.4997, 36.5866, 5.9131



14.2260, 13.9080, 16.9602



23.9278, 11.6381, 32.6151

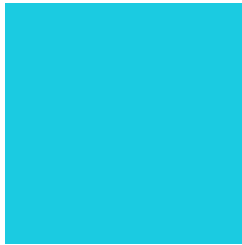


1.6775, 0.8143, 2.3606



# Previews

## White Background



This preview shows how the XYZ color 35.3985, 48.3811, 78.7070 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

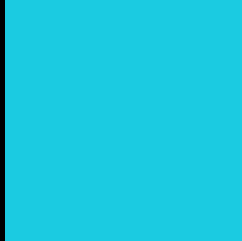
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 35.3985, 48.3811, 78.7070 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

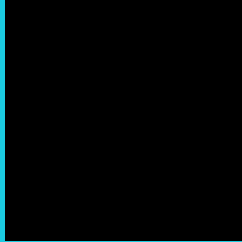
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 35.3985, 48.3811, 78.7070**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.3985, 48.3811, 78.7070.



This preview shows how white text looks on a background with the XYZ color 35.3985, 48.3811,



# 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

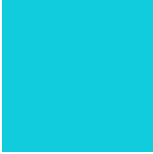
35.3985, 48.3811, 78.7070

### Protanopia

46.8459, 47.6240, 68.3513

### Deuteranopia

48.7356, 47.7028, 81.5018



## **Tritanopia**

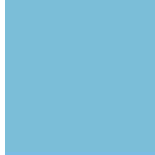
34.7248, 48.4632, 75.2343

# Trichromacy



## Original Color

35.3985, 48.3811, 78.7070



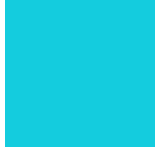
## Protanomaly

38.9765, 45.9957, 71.7895



## Deuteranomaly

40.0129, 45.7055, 80.1119



## Tritanomaly

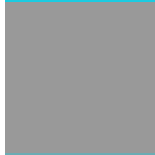
35.0662, 48.6084, 76.6414

# Monochromacy



## Original Color

35.3985, 48.3811, 78.7070



## Achromatopsia

30.2779, 31.8547, 34.6897



## Achromatomaly

28.7630, 35.5063, 47.9853

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.3985, 48.3811, 78.7070 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(27, 203, 225)` looks like.

```
.text, #text, p{  
    color:rgb(27, 203, 225)  
}
```

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(27, 203, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 203, 225) }
```

## Border

The CSS property to change the border of an element to XYZ 35.3985, 48.3811, 78.7070 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(27, 203, 225) }
```



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

```
.border{ border-color:rgb(27, 203, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(27, 203, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 203, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 203, 225);  
box-shadow:4px 4px 4px 4px rgb(27, 203,  
225) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.3985, 48.3811, 78.7070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 203, 225) }
```

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

```
.background{ background-color: rgb(27, 203,  
225) }
```

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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