

# Converting Colors

CIELCh(41, 6.875, 180.246)

Have a look what the booklet for  
CIELCh(41, 6.875, 180.246) contains.

<b>CIELCh(41, 6.979, 178.171)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	20
<i><b>Color Blindness Simulation</b></i> .....	23
<i><b>CSS Examples</b></i> .....	26

# Color

**CIELCh(41, 6.979, 178.171)**

# Conversions

## Conversions Part 1

Format	Color
Hex	546460
RGB	84, 100, 96
RGB Percent	33%, 39%, 38%
CMY	0.6703, 0.6075, 0.6232
CMYK	0.16, 0.00, 0.04, 0.61
HSL	165°, 9%, 36%
HSV	165°, 16%, 39%
XYZ	10.3434, 11.8645, 12.8308
YIQ	94.7600, -8.2520, -4.6360

# Conversions

## Conversions Part 2

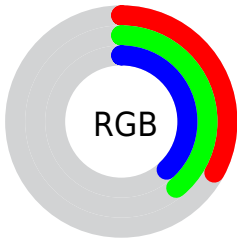
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	84, 93, 100
Decimal	5530720
CIE Lab	41.00, -6.98, 0.22
CIE LCh	41, 6.979, 178.171
Yxy	11.8645, 0.2952, 0.3386
Android (android.graphics.Color)	4283720800 (0xFF546460)
YUV	94.7600, 0.6113, -9.4365
Hunter-Lab	34.4449, -6.6772, 2.0258

# Details

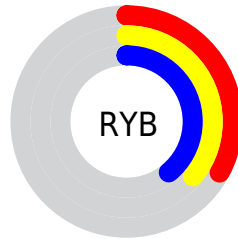
The CIELCh color **41, 6.979, 178.171** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **37, 7.344, 0.955**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **61, 7.094, 175.407**, and **21, 6.581, 180.130** is the 20% darker color. If you saturate the color by 10%, you get **40, 11.187, 177.214**, and if you desaturate by 10%, it is **42, 2.639, 179.117**.

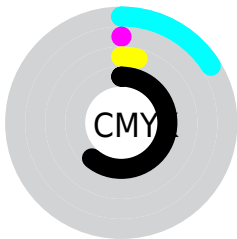
# Distribution



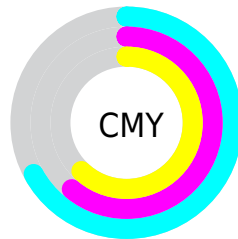
- Red (33%)
- Green (39%)
- Blue (38%)



- Red (33%)
- Yellow (36%)
- Blue (39%)



- Cyan (16%)
- Magenta (0%)
- Yellow (4%)
- Black (61%)















- Cyan (67%)
- Magenta (61%)
- Yellow (62%)




# Brightness & Saturation Gradients

These gradients show how the CIELCh color 41, 6.979, 178.171 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 CIELCh color 41, 6.979, 178.171 by changing the saturation by 10% instead.



 41, 6.979, 178.171	 41, 6.979, 178.171
 100, 6.979, 178.171	 31, 6.979, 178.171
 61, 6.979, 178.171	 21, 6.979, 178.171
 71, 6.979, 178.171	 11, 6.979, 178.171
 81, 6.979, 178.171	 1, 6.979, 178.171
 91, 6.979, 178.171	 0, 6.979, 178.171

 41, 6.979, 178.171	 41, 6.979, 178.171
 40, 11.187, 177.214	 42, 2.639, 179.117
 40, 15.199,	 43, 1.783, 359.672

176.207

44, 6.241, 0.589

39, 18.952,  
175.124

45, 10.699, 1.373

38, 22.381,  
173.947

46, 15.128, 2.115

38, 25.429,  
172.657

47, 19.507, 2.827

38, 28.052,  
171.234

49, 23.821, 3.512

37, 30.228,  
169.658

50, 28.060, 4.172

37, 32.051,  
167.984

37, 32.781,  
167.355

# Harmonies

# Complementary

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



41, 6.979, 178.171



37, 7.344, 0.955

# Rectangle

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



41, 6.979, 178.171



41, 6.979, 228.171



41, 6.979, 358.171



41, 6.979, 48.171

# Sweetspot

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



41, 6.980, 178.166



54, 2.734, 179.208



41, 10.925, 136.112



28, 1.879, 179.153



78, 0.009, 296.813



28, 0.004, 296.813



# Same Dimension

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



41, 6.980, 178.166



52, 10.241, 177.831



40, 5.343, 224.201



21, 2.507, 178.825



43, 36.286, 167.007



86, 64.114, 165.691





# Inverse Universe

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



37, 7.344, 0.955



47, 10.902, 1.342



38, 5.863, 42.870



19, 2.580, 0.229



23, 49.102, 22.804



51, 87.301, 26.522



# Previews

## White Background



This preview shows how the CIELCh color 41, 6.979, 178.171 looks on a white 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 × Fail

# Black Background



This preview shows how the CIE LCh color 41, 6.979, 178.171 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

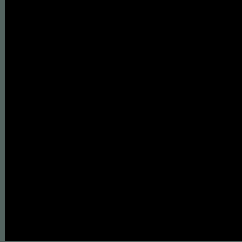
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

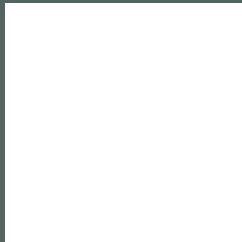
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 41, 6.979, 178.171**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 41, 6.979, 178.171.



This preview shows how white text looks on a background with the CIELCh color 41, 6.979, 178.171.

# 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

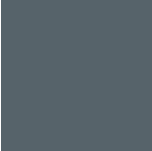
41, 6.979, 178.171

### Protanopia

41, 1.743, 63.265

### Deuteranopia

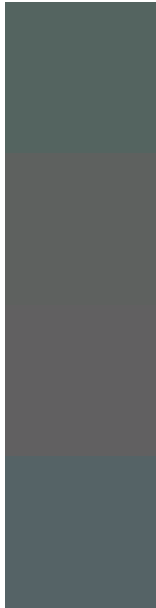
41, 5.628, 354.661



**Tritanopia**  
41, 6.531, 239.664



# Trichromacy



**Original Color**  
41, 6.979, 178.171

**Protanomaly**  
41, 1.750, 155.583

**Deuteranomaly**  
41, 0.745, 324.290

**Tritanomaly**  
41, 5.800, 217.174

# Monochromacy



**Original Color**  
41, 6.979, 178.171

**Achromatopsia**  
40, 0.006, 296.813

**Achromatomaly**  
41, 2.782, 173.269

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 41, 6.979, 178.171 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(84, 100, 96)` looks like.

```
.text, #text, p{  
    color:rgb(84, 100, 96)  
}
```

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(84, 100, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 100, 96) }
```

## Border

The CSS property to change the border of an element to CIELCh 41, 6.979, 178.171 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(84, 100, 96) }
```

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

```
.border{ border-color:rgb(84, 100, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 100, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 100, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 100, 96);  
box-shadow:4px 4px 4px 4px rgb(84, 100,  
96) }
```

# Background

The CSS property to change the background color of an element to CIELCh 41, 6.979, 178.171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 100, 96) }
```

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

```
.background{ background-color: rgb(84, 100,  
96) }
```

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