

Converting Colors

CIELCh(65, 16.702, 108.385)

Have a look what the booklet for
CIELCh(65, 16.702, 108.385)
contains.

CIELCh(65, 17.075, 108.343)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(65, 17.075, 108.343)

Conversions

Conversions Part 1

Format	Color
Hex	A0A081
RGB	160, 160, 129
RGB Percent	63%, 63%, 51%
CMY	0.3738, 0.3738, 0.4953
CMYK	0.00, 0.00, 0.19, 0.37
HSL	60°, 14%, 57%
HSV	60°, 19%, 63%
XYZ	30.8895, 34.0472, 25.6047
YIQ	156.4660, 9.9510, -9.6410

Conversions

Conversions Part 2

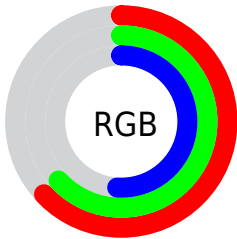
Format	Color
RYB	129, 160, 129
Decimal	10526849
CIELab	65.00, -5.37, 16.21
CIELCh	65, 17.075, 108.343
Yxy	34.0472, 0.3412, 0.3760
Android (android.graphics.Color)	4288716929 (0xFFA0A081)
YUV	156.4660, -13.5407, 3.0993
Hunter-Lab	58.3500, -7.6175, 14.8278

Details

The CIELCh color $65, 17.075, 108.343$ is a light color, and the websafe version is hex 999966 . A complement of this color would be $55, 17.841, 292.313$, and the grayscale version is $64, 0.008, 296.813$.

A 20% lighter version of the original color is $85, 17.227, 108.695$, and $45, 17.080, 109.242$ is the 20% darker color. If you saturate the color by 10%, you get $65, 25.742, 107.401$, and if you desaturate by 10%, it is $65, 8.299, 109.295$.

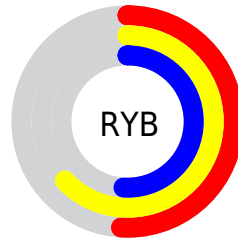
Distribution



Red (63%)

Green (63%)

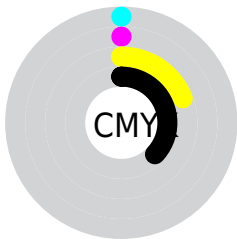
Blue (51%)



Red (51%)

Yellow (63%)

Blue (51%)

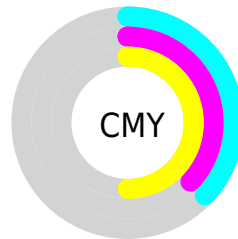


Cyan (0%)

Magenta (0%)

Yellow (19%)

Black (37%)



Cyan (37%)


Magenta (37%)


Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 17.075, 108.343 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 65, 17.075, 108.343 by changing the saturation by 10% instead.


 65, 17.075,
108.343


 65, 17.075,
108.343


 100, 17.075,
108.343


 55, 17.075,
108.343


 85, 17.075,
108.343

 45, 17.075,
108.343

 95, 17.075,
108.343

 35, 17.075,
108.343

 25, 17.075,
108.343

 15, 17.075,
108.343

 5, 17.075, 108.343

 0, 17.075, 108.343

65, 17.075,
108.343

65, 17.075,
108.343

65, 25.742,
107.401

65, 8.299, 109.295

64, 34.204,
106.474

66, 0.532, 290.343

66, 9.376, 291.164

64, 42.323,
105.589

67, 18.207,
292.051

64, 49.885,
104.775

67, 27.007,
292.904

64, 56.587,
104.065

68, 35.762,
293.719

64, 62.042,
103.498

69, 44.460,
294.493

64, 65.863,
103.108

69, 52.319,
295.161

64, 68.166,

102.876

■ 69, 52.319,
295.162

■ 64, 68.295,
102.863

Harmonies

Complementary

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



65, 17.075, 108.343



55, 17.841, 292.313

Rectangle

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



65, 17.075, 108.343



65, 17.075, 158.343



65, 17.075, 288.343



65, 17.075, 338.343

Sweetspot

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



65, 17.076, 108.348



83, 6.527, 109.603



57, 12.721, 20.740



44, 4.364, 109.547



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



65, 17.076, 108.348



82, 24.912, 107.966



64, 18.266, 128.208



33, 4.947, 109.311



57, 62.932, 102.863



4, 6.504, 110.185

Inverse Universe

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



55, 17.841, 292.313



67, 26.287, 292.843



56, 18.746, 309.952



30, 5.054, 291.120



15, 86.896, 306.288



0, 6.505, 290.184

Previews

White Background



This preview shows how the CIELCh color 65, 17.075, 108.343 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 CIELCh color 65, 17.075, 108.343 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

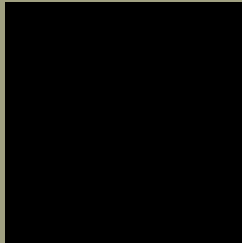
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

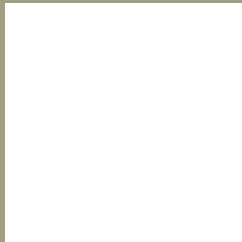
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 65, 17.075, 108.343

Background



This preview shows how black text looks on a background with the CIELCh color 65, 17.075, 108.343.



This preview shows how white text looks on a background with the CIELCh color 65, 17.075, 108.343.

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


65, 17.075, 108.343

Protanopia

65, 16.550, 94.012

Deuteranopia

65, 17.579, 63.608



Tritanopia
65, 8.380, 320.500

Trichromacy



Original Color
65, 17.075, 108.343

Protanomaly
65, 16.738, 99.913

Deuteranomaly
65, 15.959, 79.188

Tritanomaly
65, 3.175, 51.027

Monochromacy



Original Color
65, 17.075, 108.343

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 6.096, 109.513

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 17.075, 108.343 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(160, 160, 129)` looks like.

```
.text, #text, p{  
    color:rgb(160, 160, 129)  
}
```

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(160, 160, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 160, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 17.075, 108.343 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(160, 160, 129) }
```

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

```
.border{ border-color:rgb(160, 160, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 160, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 160, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 160, 129);  
box-shadow:4px 4px 4px 4px rgb(160, 160,  
129) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 17.075, 108.343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 160, 129) }
```

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

```
.background{ background-color: rgb(160,  
160, 129) }
```

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