

Converting Colors

CIELCh(65, 36.168, 178.392)

Have a look what the booklet for
CIELCh(65, 36.168, 178.392)
contains.

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Color

CIELCh(65, 36.190, 178.435)

Conversions

Conversions Part 1

Format	Color
Hex	40AF9B
RGB	64, 175, 155
RGB Percent	25%, 69%, 61%
CMY	0.7497, 0.3143, 0.3927
CMYK	0.63, 0.00, 0.11, 0.31
HSL	169°, 47%, 47%
HSV	169°, 63%, 69%
XYZ	23.3078, 34.0472, 36.2900
YIQ	139.5310, -59.7360, -29.7520

Conversions

Conversions Part 2

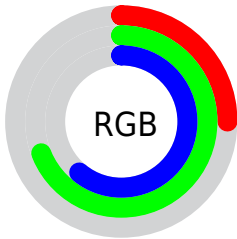
Format	Color
RYB	64, 125, 175
Decimal	4239259
CIELab	65.00, -36.18, 0.99
CIELCh	65, 36.190, 178.435
Yxy	34.0472, 0.2489, 0.3636
Android (android.graphics.Color)	4282429339 (0xFF40AF9B)
YUV	139.5310, 7.6262, -66.2407
Hunter-Lab	58.3500, -30.8109, 3.9703

Details

The CIELCh color **65, 36.190, 178.435** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **43, 48.494, 15.054**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **85, 36.170, 178.212**, and **46, 33.525, 177.103** is the 20% darker color. If you saturate the color by 10%, you get **65, 39.731, 177.122**, and if you desaturate by 10%, it is **66, 31.906, 179.629**.

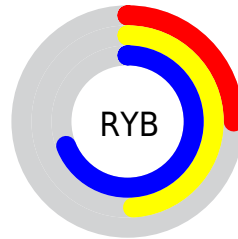
Distribution



Red (25%)

Green (69%)

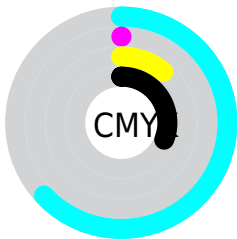
Blue (61%)



Red (25%)

Yellow (49%)

Blue (69%)

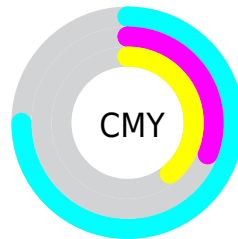


Cyan (63%)

Magenta (0%)

Yellow (11%)

Black (31%)



Cyan (75%)


Magenta (31%)


Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 36.190, 178.435 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, 36.190, 178.435 by changing the saturation by 10% instead.


 65, 36.190,
178.435


 65, 36.190,
178.435


 100, 36.190,
178.435


 55, 36.190,
178.435


 85, 36.190,
178.435

 45, 36.190,
178.435

 95, 36.190,
178.435

 35, 36.190,
178.435

 25, 36.190,
178.435

 15, 36.190,
178.435

 5, 36.190, 178.435

 0, 36.190, 178.435

■ 65, 36.190,
178.435

■ 65, 36.190,
178.435

■ 65, 39.731,
177.122

■ 66, 31.906,
179.629

■ 64, 42.506,
175.672

■ 66, 26.945,
180.730

■ 64, 44.551,
174.068

■ 67, 21.401,
181.756

■ 64, 45.640,
172.986

■ 68, 15.383,
182.726

■ 70, 9.002, 183.660

■ 71, 2.362, 184.679

■ 72, 4.444, 5.216

■ 74, 11.338, 6.092

■ 76, 18.258, 6.893

Harmonies

Complementary

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



65, 36.190, 178.435



43, 48.494, 15.054

Rectangle

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



65, 36.190, 178.435



65, 36.190, 228.435



65, 36.190, 358.435



65, 36.190, 48.435

Sweetspot

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



65, 36.190, 178.434



87, 15.507, 183.118



64, 67.602, 135.450



46, 10.699, 182.854



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



65, 36.190, 178.434



82, 49.678, 176.585



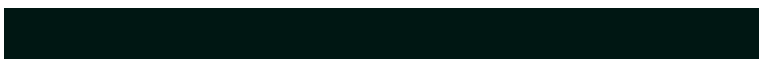
55, 28.361, 243.928



36, 3.773, 184.054



55, 40.749, 173.213



6, 8.327, 179.703

Inverse Universe

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



43, 48.494, 15.054



51, 70.685, 19.926



50, 42.883, 50.312



34, 3.921, 5.555



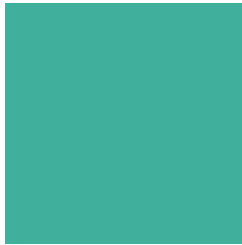
31, 62.977, 29.967



2, 8.000, 7.379

Previews

White Background



This preview shows how the CIELCh color 65, 36.190, 178.435 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, 36.190, 178.435 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

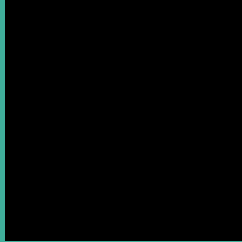
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 36.190, 178.435

Background



This preview shows how black text looks on a background with the CIELCh color 65, 36.190, 178.435.

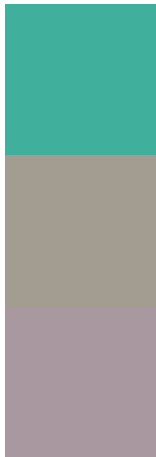


This preview shows how white text looks on a background with the CIELCh color 65, 36.190, 178.435.

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, 36.190, 178.435

Protanopia
65, 6.531, 88.204

Deuteranopia
65, 8.255, 347.632



Tritanopia
65, 28.370, 212.178

Trichromacy



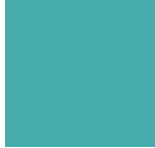
Original Color
65, 36.190, 178.435



Protanomaly
64, 15.937, 168.664



Deuteranomaly
64, 10.694, 192.470



Tritanomaly
65, 29.883, 198.050

Monochromacy



Original Color
65, 36.190, 178.435



Achromatopsia
58, 0.007, 296.813



Achromatomaly
60, 15.241, 182.896

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 36.190, 178.435 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(64, 175, 155)` looks like.

```
.text, #text, p{  
    color:rgb(64, 175, 155)  
}
```

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(64, 175, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 175, 155) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 36.190, 178.435 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(64, 175, 155) }
```

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

```
.border{ border-color:rgb(64, 175, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 175, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 175, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 175, 155);  
box-shadow:4px 4px 4px 4px rgb(64, 175,  
155) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 36.190, 178.435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 175, 155) }
```

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

```
.background{ background-color: rgb(64, 175,  
155) }
```

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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