

Converting Colors

CIELCh(58, 91.626, 197.710)

Have a look what the booklet for
CIELCh(58, 91.626, 197.710)
contains.

CIELCh(65, 36.181, 208.336)	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, 36.181, 208.336)

Conversions

Conversions Part 1

Format	Color
Hex	07AE BB
RGB	7, 174, 187
RGB Percent	3%, 68%, 73%
CMY	0.9745, 0.3163, 0.2653
CMYK	0.97, 0.07, 0.00, 0.27
HSL	184°, 93%, 38%
HSV	184°, 97%, 73%
XYZ	24.2888, 34.0472, 52.4979
YIQ	125.5490, -103.7050, -31.3610

Conversions

Conversions Part 2

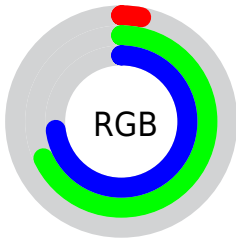
Format	Color
RYB	7, 94, 187
Decimal	503483
CIELab	65.00, -31.85, -17.17
CIELCh	65, 36.181, 208.336
Yxy	34.0472, 0.2191, 0.3072
Android (android.graphics.Color)	4278693563 (0xFF07AE8B)
YUV	125.5490, 30.2953, -103.9675
Hunter-Lab	58.3500, -27.8098, -12.4987

Details

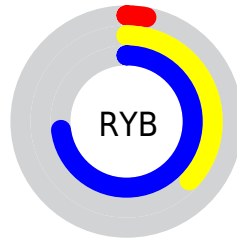
The CIELCh color **65, 36.181, 208.336** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **40, 79.849, 39.922**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **85, 36.042, 208.219**, and **46, 27.795, 213.091** is the 20% darker color. If you saturate the color by 10%, you get **65, 36.298, 208.723**, and if you desaturate by 10%, it is **66, 35.623, 207.292**.

Distribution



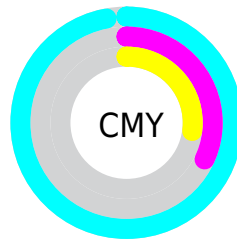
- Red (3%)
- Green (68%)
- Blue (73%)



- Red (3%)
- Yellow (37%)
- Blue (73%)



- Cyan (97%)
- Magenta (7%)
- Yellow (0%)
- Black (27%)





- Cyan (97%)
- Magenta (32%)
- Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 36.181, 208.336 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, 36.181, 208.336 by changing the saturation by 10% instead.


 65, 36.181,
208.336


 65, 36.181,
208.336


 100, 36.181,
208.336


 55, 36.181,
208.336


 85, 36.181,
208.336

 45, 36.181,
208.336

 95, 36.181,
208.336

 35, 36.181,
208.336

 25, 36.181,
208.336

 15, 36.181,
208.336

 5, 36.181, 208.336

 0, 36.181, 208.336

■ 65, 36.181,
208.336

■ 65, 36.181,
208.336

■ 65, 36.298,
208.723

■ 66, 35.623,
207.292

■ 66, 34.326,
206.484

■ 67, 32.204,
205.897

■ 68, 29.245,
205.509

■ 69, 25.487,
205.295

■ 70, 21.001,
205.230

■ 72, 15.881,
205.292

■ 73, 10.230,

205.466

■ 75, 4.152, 205.780

Harmonies

Complementary

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



65, 36.181, 208.336



40, 79.849, 39.922

Rectangle

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



65, 36.181, 208.336



65, 36.181, 258.336



65, 36.181, 28.336



65, 36.181, 78.336

Sweetspot

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



65, 36.180, 208.335



91, 21.336, 205.262



66, 92.826, 136.746



47, 14.384, 205.235



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



65, 36.180, 208.335



83, 44.317, 208.949



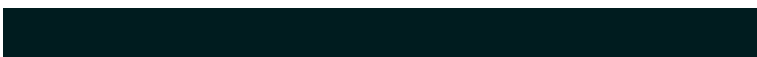
38, 62.840, 288.628



39, 3.601, 205.667



55, 32.046, 208.550



9, 10.594, 206.528

Inverse Universe

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



44, 86.113, 331.201



57, 105.797, 331.376



54, 64.760, 67.184



37, 6.730, 326.939



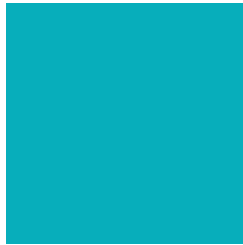
37, 76.465, 331.278



3, 20.024, 328.099

Previews

White Background



This preview shows how the CIE LCh color 65, 36.181, 208.336 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, 36.181, 208.336 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

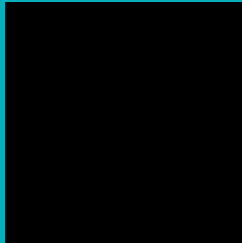
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

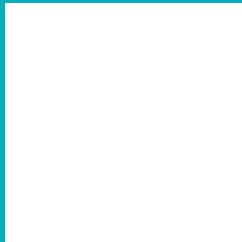
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 65, 36.181, 208.336

Background



This preview shows how black text looks on a background with the CIELCh color 65, 36.181, 208.336.

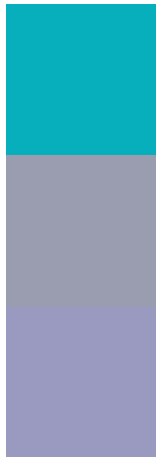


This preview shows how white text looks on a background with the CIELCh color 65, 36.181, 208.336.

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

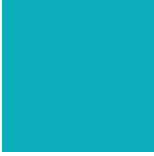
65, 36.110, 208.361

Protanopia

65, 10.589, 287.374

Deuteranopia

65, 21.758, 293.364

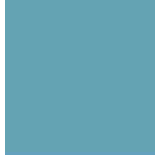


Tritanopia
65, 35.907, 209.378

Trichromacy



Original Color
65, 36.110, 208.361



Protanomaly
63, 21.642, 222.486



Deuteranomaly
63, 24.168, 240.712



Tritanomaly
65, 35.975, 209.349

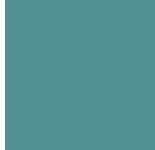
Monochromacy



Original Color
65, 36.110, 208.361



Achromatopsia
53, 0.007, 296.813



Achromatomaly
56, 20.397, 204.051

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 36.181, 208.336 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(7, 174, 187)` looks like.

```
.text, #text, p{  
    color:rgb(7, 174, 187)  
}
```

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(7, 174, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 174, 187) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 36.181, 208.336 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(7, 174, 187) }
```

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

```
.border{ border-color:rgb(7, 174, 187) }
```

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

Here you see how a box with a 4 pixel rgb(7, 174, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 174, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(7, 174, 187);  
box-shadow:4px 4px 4px 4px rgb(7, 174,  
187) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 36.181, 208.336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 174, 187) }
```

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

```
.background{ background-color: rgb(7, 174,  
187) }
```

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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