

Converting Colors

CIELCh(66, 40.504, 180.835)

Have a look what the booklet for
CIELCh(66, 40.504, 180.835)
contains.

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Color

CIELCh(66, 40.438, 180.944)

Conversions

Conversions Part 1

Format	Color
Hex	25B3A0
RGB	37, 179, 160
RGB Percent	15%, 70%, 63%
CMY	0.8562, 0.2966, 0.3712
CMYK	0.80, 0.00, 0.11, 0.30
HSL	172°, 66%, 42%
HSV	172°, 80%, 70%
XYZ	23.3199, 35.3238, 39.0079
YIQ	134.3760, -78.5330, -36.0130

Conversions

Conversions Part 2

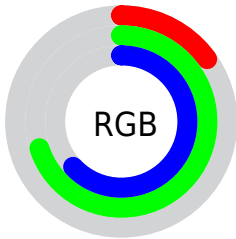
Format	Color
RYB	37, 113, 179
Decimal	2470816
CIELab	66.00, -40.43, -0.67
CIELCh	66, 40.438, 180.944
Yxy	35.3238, 0.2388, 0.3617
Android (android.graphics.Color)	4280660896 (0xFF25B3A0)
YUV	134.3760, 12.6326, -85.3988
Hunter-Lab	59.4338, -33.9716, 2.6902

Details

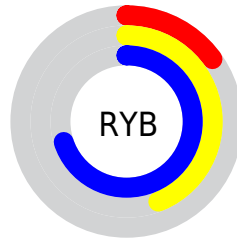
The CIELCh color **66, 40.438, 180.944** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **40, 62.046, 24.514**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **86, 40.030, 181.443**, and **47, 33.366, 179.305** is the 20% darker color. If you saturate the color by 10%, you get **66, 42.457, 179.655**, and if you desaturate by 10%, it is **66, 37.638, 182.115**.

Distribution



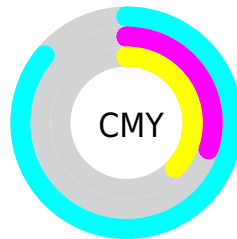
- Red (15%)
- Green (70%)
- Blue (63%)



- Red (15%)
- Yellow (44%)
- Blue (70%)



- Cyan (80%)
- Magenta (0%)
- Yellow (11%)
- Black (30%)





- Cyan (86%)
- Magenta (30%)
- Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 40.438, 180.944 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 66, 40.438, 180.944 by changing the saturation by 10% instead.


 66, 40.438,
180.944


 66, 40.438,
180.944


 100, 40.438,
180.944


 56, 40.438,
180.944


 86, 40.438,
180.944

 46, 40.438,
180.944

 96, 40.438,
180.944

 36, 40.438,
180.944

 26, 40.438,
180.944

 16, 40.438,
180.944

 6, 40.438, 180.944

 0, 40.438, 180.944

■ 66, 40.438,
180.944

■ 66, 40.438,
180.944

■ 66, 42.457,
179.655

■ 66, 37.638,
182.115

■ 66, 43.864,
178.268

■ 67, 34.040,
183.190

■ 66, 43.924,
178.208

■ 68, 29.682,
184.190

■ 68, 24.637,
185.131

■ 69, 19.006,
186.029

■ 70, 12.899,
186.899

■ 72, 6.427, 187.768

■ 73, 0.306, 6.911

Harmonies

Complementary

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



66, 40.438, 180.944



40, 62.046, 24.514

Rectangle

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



66, 40.438, 180.944



66, 40.438, 230.944



66, 40.438, 0.944



66, 40.438, 50.944

Sweetspot

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



66, 40.438, 180.943



88, 19.292, 186.480



64, 82.515, 135.532



47, 13.237, 186.172



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



66, 40.438, 180.943



83, 52.688, 178.673



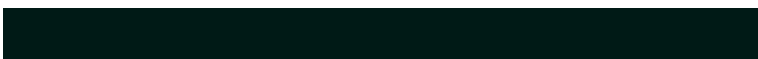
51, 35.800, 257.687



37, 3.796, 187.790



57, 38.987, 178.403



7, 9.546, 183.717

Inverse Universe

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



40, 62.046, 24.514



49, 87.975, 32.461



48, 56.119, 53.731



35, 3.965, 9.204



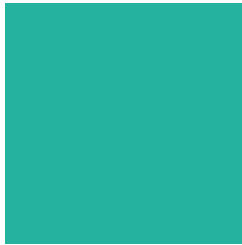
31, 65.790, 33.218



2, 9.276, 10.910

Previews

White Background



This preview shows how the CIELCh color 66, 40.438, 180.944 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 66, 40.438, 180.944 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

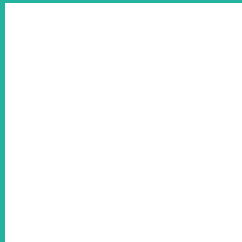
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 66, 40.438, 180.944

Background



This preview shows how black text looks on a background with the CIELCh color 66, 40.438, 180.944.

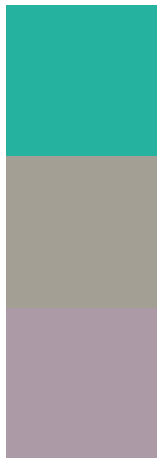


This preview shows how white text looks on a background with the CIELCh color 66, 40.438, 180.944.

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

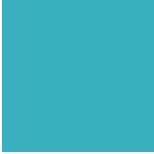
66, 40.340, 180.915

Protanopia

66, 5.851, 89.978

Deuteranopia

65, 9.586, 336.363



Tritanopia
66, 32.265, 211.083

Trichromacy



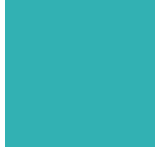
Original Color
66, 40.340, 180.915



Protanomaly
65, 18.956, 175.253



Deuteranomaly
64, 14.155, 200.480



Tritanomaly
66, 34.309, 198.563

Monochromacy



Original Color
66, 40.340, 180.915



Achromatopsia
56, 0.007, 296.813



Achromatomaly
59, 19.003, 185.519

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 40.438, 180.944 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(37, 179, 160)` looks like.

```
.text, #text, p{  
    color:rgb(37, 179, 160)  
}
```

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(37, 179, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 179, 160) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 40.438, 180.944 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(37, 179, 160) }
```

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

```
.border{ border-color:rgb(37, 179, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 179, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 179, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 179, 160);  
box-shadow:4px 4px 4px 4px rgb(37, 179,  
160) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 40.438, 180.944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 179, 160) }
```

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

```
.background{ background-color: rgb(37, 179,  
160) }
```

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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