

Converting Colors

CIELCh(66, 50.124, 166.312)

Have a look what the booklet for
CIELCh(66, 50.124, 166.312)
contains.

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Color

CIELCh(66, 50.092, 166.423)

Conversions

Conversions Part 1

Format	Color
Hex	13B68A
RGB	19, 182, 138
RGB Percent	7%, 71%, 54%
CMY	0.9243, 0.2872, 0.4597
CMYK	0.89, 0.00, 0.24, 0.29
HSL	164°, 81%, 39%
HSV	164°, 89%, 71%
XYZ	21.5221, 35.3238, 29.6406
YIQ	128.2470, -83.0240, -48.2400

Conversions

Conversions Part 2

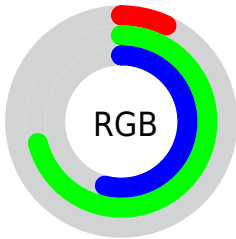
Format	Color
RYB	19, 113, 182
Decimal	1291914
CIELab	66.00, -48.69, 11.76
CIELCh	66, 50.092, 166.423
Yxy	35.3238, 0.2488, 0.4084
Android (android.graphics.Color)	4279481994 (0xFF13B68A)
YUV	128.2470, 4.8082, -95.8096
Hunter-Lab	59.4338, -39.3709, 12.0348

Details

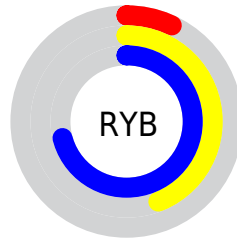
The CIELCh color **66, 50.092, 166.423** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **39, 64.679, 18.088**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **86, 50.369, 166.182**, and **47, 42.535, 161.617** is the 20% darker color. If you saturate the color by 10%, you get **66, 52.611, 164.411**, and if you desaturate by 10%, it is **66, 46.969, 168.290**.

Distribution



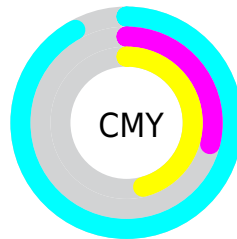
- Red (7%)
- Green (71%)
- Blue (54%)



- Red (7%)
- Yellow (44%)
- Blue (71%)



- Cyan (89%)
- Magenta (0%)
- Yellow (24%)
- Black (29%)





- Cyan (92%)
- Magenta (29%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 50.092, 166.423 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, 50.092, 166.423 by changing the saturation by 10% instead.


 66, 50.092,
166.423


 66, 50.092,
166.423


 100, 50.092,
166.423


 56, 50.092,
166.423


 86, 50.092,
166.423

 46, 50.092,
166.423

 96, 50.092,
166.423

 36, 50.092,
166.423

 26, 50.092,
166.423

 16, 50.092,
166.423

 6, 50.092, 166.423

 0, 50.092, 166.423

■ 66, 50.092,
166.423

■ 66, 50.092,
166.423

■ 66, 52.611,
164.411

■ 66, 46.969,
168.290

■ 66, 52.765,
164.289

■ 67, 43.090,
169.969

■ 67, 38.452,
171.475

■ 68, 33.111,
172.831

■ 69, 27.158,
174.060

■ 70, 20.707,
175.187

■ 71, 13.879,
176.233

■ 73, 6.789, 177.232

Harmonies

Complementary

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



66, 50.092, 166.423



39, 64.679, 18.088

Rectangle

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



66, 50.092, 166.423



66, 50.092, 216.423



66, 50.092, 346.423



66, 50.092, 36.423

Sweetspot

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



66, 50.092, 166.422



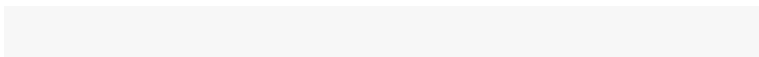
89, 23.710, 175.393



65, 85.933, 132.863



47, 16.004, 175.026



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



66, 50.092, 166.422



84, 64.783, 163.898



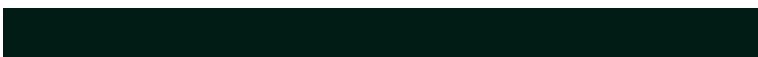
56, 33.318, 235.019



38, 4.137, 177.235



57, 46.842, 164.565



8, 12.221, 170.679

Inverse Universe

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



39, 64.679, 18.088



50, 84.803, 24.693



42, 69.038, 43.813



36, 4.260, 358.834



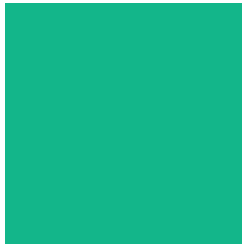
32, 61.220, 22.868



2, 11.110, 3.403

Previews

White Background



This preview shows how the CIE LCh color 66, 50.092, 166.423 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 CIE LCh color 66, 50.092, 166.423 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, 50.092, 166.423

Background



This preview shows how black text looks on a background with the CIELCh color 66, 50.092, 166.423.

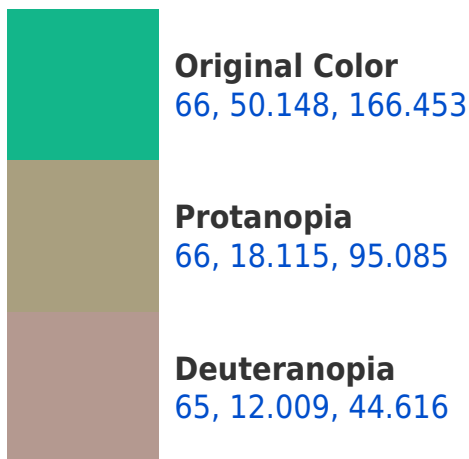



This preview shows how white text looks on a background with the CIELCh color 66, 50.092, 166.423.

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





Tritanopia
66, 31.843, 211.303

Trichromacy



Original Color
66, 50.148, 166.453



Protanomaly
64, 28.230, 152.095



Deuteranomaly
64, 19.493, 160.800



Tritanomaly
66, 36.334, 190.278

Monochromacy



Original Color
66, 50.148, 166.453



Achromatopsia
54, 0.007, 296.813



Achromatomaly
57, 23.545, 174.302

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 50.092, 166.423 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(19, 182, 138)` looks like.

```
.text, #text, p{  
    color:rgb(19, 182, 138)  
}
```

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(19, 182, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 182, 138) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 50.092, 166.423 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(19, 182, 138) }
```

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

```
.border{ border-color:rgb(19, 182, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 182, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 182, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 182, 138);  
box-shadow:4px 4px 4px 4px rgb(19, 182,  
138) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 50.092, 166.423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 182, 138) }
```

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

```
.background{ background-color: rgb(19, 182,  
138) }
```

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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