

Converting Colors

CIELCh(66, 42.384, 161.981)

Have a look what the booklet for
CIELCh(66, 42.384, 161.981)
contains.

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Color

CIELCh(66, 42.479, 162.059)

Conversions

Conversions Part 1

Format	Color
Hex	4BB388
RGB	75, 179, 136
RGB Percent	29%, 70%, 53%
CMY	0.7076, 0.2996, 0.4681
CMYK	0.58, 0.00, 0.24, 0.30
HSL	155°, 41%, 50%
HSV	155°, 58%, 70%
XYZ	23.3242, 35.3238, 28.7403
YIQ	143.0020, -48.1810, -35.4210

Conversions

Conversions Part 2

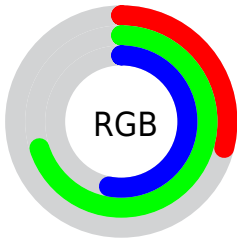
Format	Color
RYB	75, 141, 179
Decimal	4961160
CIELab	66.00, -40.41, 13.09
CIElCh	66, 42.479, 162.059
Yxy	35.3238, 0.2669, 0.4042
Android (android.graphics.Color)	4283151240 (0xFF4BB388)
YUV	143.0020, -3.4520, -59.6378
Hunter-Lab	59.4338, -33.9588, 12.9330

Details

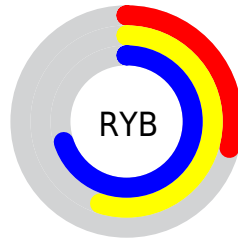
The CIELCh color **66, 42.479, 162.059** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **47, 46.788, 356.108**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 42.440, 162.051**, and **46, 41.752, 161.712** is the 20% darker color. If you saturate the color by 10%, you get **65, 48.253, 160.437**, and if you desaturate by 10%, it is **67, 36.069, 163.499**.

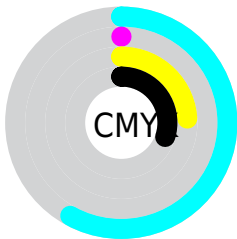
Distribution



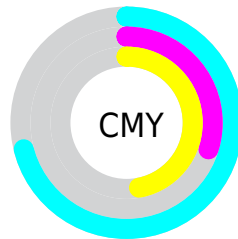
- Red (29%)
- Green (70%)
- Blue (53%)



- Red (29%)
- Yellow (55%)
- Blue (70%)



- Cyan (58%)
- Magenta (0%)
- Yellow (24%)
- Black (30%)





- Cyan (71%)
- Magenta (30%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 42.479, 162.059 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, 42.479, 162.059 by changing the saturation by 10% instead.


 66, 42.479,
162.059


 66, 42.479,
162.059


 100, 42.479,
162.059


 56, 42.479,
162.059


 86, 42.479,
162.059

 46, 42.479,
162.059

 96, 42.479,
162.059

 36, 42.479,
162.059

 26, 42.479,
162.059

 16, 42.479,
162.059

 6, 42.479, 162.059

 0, 42.479, 162.059

66, 42.479,
162.059

66, 42.479,
162.059

65, 48.253,
160.437

67, 36.069,
163.499

65, 53.311,
158.616

68, 29.134,
164.783

65, 57.630,
156.586

69, 21.801,
165.935

64, 61.304,
154.395

70, 14.197,
166.980

64, 61.927,
154.024

72, 6.438, 167.957

73, 1.375, 348.467

75, 9.163, 349.515

77, 16.865,
350.280

■ 78, 24.433,
350.985

Harmonies

Complementary

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



66, 42.479, 162.059



47, 46.788, 356.108

Rectangle

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



66, 42.479, 162.059



66, 42.479, 212.059



66, 42.479, 342.059



66, 42.479, 32.059

Sweetspot

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



66, 42.480, 162.058



89, 16.372, 167.076



67, 59.635, 129.314



47, 11.027, 166.878



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, 42.480, 162.058



83, 60.603, 159.922



65, 28.414, 207.052



37, 4.419, 167.852



56, 54.936, 154.329



7, 11.591, 162.347

Inverse Universe

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



47, 46.788, 356.108



55, 66.916, 359.191



47, 44.801, 31.852



35, 4.497, 349.388



32, 57.747, 9.571



2, 10.146, 354.640

Previews

White Background



This preview shows how the CIE LCh color 66, 42.479, 162.059 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, 42.479, 162.059 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, 42.479, 162.059

Background



This preview shows how black text looks on a background with the CIELCh color 66, 42.479, 162.059.

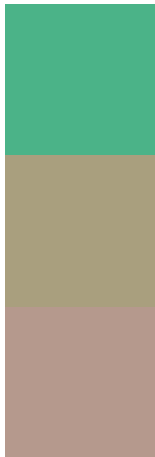


This preview shows how white text looks on a background with the CIELCh color 66, 42.479, 162.059.

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, 42.479, 162.059

Protanopia
66, 18.651, 95.386

Deuteranopia
65, 13.230, 50.178



Tritanopia
66, 25.589, 215.358

Trichromacy



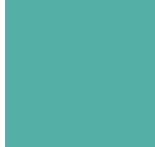
Original Color
66, 42.479, 162.059



Protanomaly
65, 23.852, 138.787



Deuteranomaly
65, 15.009, 140.145



Tritanomaly
66, 28.560, 190.302

Monochromacy



Original Color
66, 42.479, 162.059



Achromatopsia
59, 0.008, 296.813



Achromatomaly
61, 17.002, 165.910

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 42.479, 162.059 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(75, 179, 136)` looks like.

```
.text, #text, p{  
    color:rgb(75, 179, 136)  
}
```

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(75, 179, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 179, 136) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 42.479, 162.059 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(75, 179, 136) }
```

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

```
.border{ border-color:rgb(75, 179, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 179, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 179, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 179, 136);  
box-shadow:4px 4px 4px 4px rgb(75, 179,  
136) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 42.479, 162.059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 179, 136) }
```

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

```
.background{ background-color: rgb(75, 179,  
136) }
```

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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