

Converting Colors

CIELCh(65, 48.353, 163.485)

Have a look what the booklet for
CIELCh(65, 48.353, 163.485)
contains.

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Color

CIELCh(65, 48.201, 163.669)

Conversions

Conversions Part 1

Format	Color
Hex	2CB284
RGB	44, 178, 132
RGB Percent	17%, 70%, 52%
CMY	0.8274, 0.3019, 0.4823
CMYK	0.75, 0.00, 0.26, 0.30
HSL	159°, 60%, 44%
HSV	159°, 75%, 70%
XYZ	21.1275, 34.0472, 27.2919
YIQ	132.6900, -65.0980, -42.7140

Conversions

Conversions Part 2

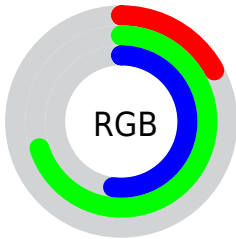
Format	Color
RYB	44, 125, 178
Decimal	2929284
CIELab	65.00, -46.26, 13.55
CIElCh	65, 48.201, 163.669
Yxy	34.0472, 0.2562, 0.4129
Android (android.graphics.Color)	4281119364 (0xFF2CB284)
YUV	132.6900, -0.3402, -77.7811
Hunter-Lab	58.3500, -37.4808, 13.1134

Details

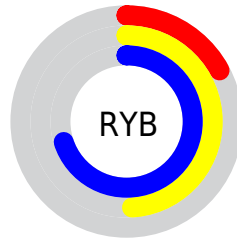
The CIELCh color **65, 48.201, 163.669** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **41, 56.432, 5.955**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **85, 48.453, 163.458**, and **46, 42.858, 159.749** is the 20% darker color. If you saturate the color by 10%, you get **65, 52.170, 161.758**, and if you desaturate by 10%, it is **66, 43.495, 165.379**.

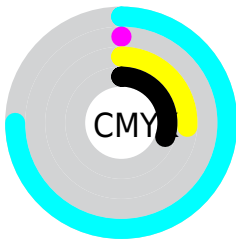
Distribution



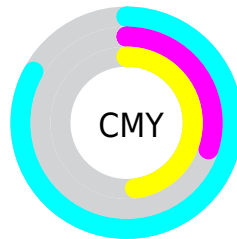
- Red (17%)
- Green (70%)
- Blue (52%)



- Red (17%)
- Yellow (49%)
- Blue (70%)



- Cyan (75%)
- Magenta (0%)
- Yellow (26%)
- Black (30%)



- Cyan (83%)
- Magenta (30%)
- Yellow (48%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 48.201, 163.669 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, 48.201, 163.669 by changing the saturation by 10% instead.

 65, 48.201,
163.669

 65, 48.201,
163.669

 100, 48.201,
163.669

 55, 48.201,
163.669

 85, 48.201,
163.669

 45, 48.201,
163.669

 95, 48.201,
163.669

 35, 48.201,
163.669

 25, 48.201,
163.669

 15, 48.201,
163.669

 5, 48.201, 163.669

 0, 48.201, 163.669

■ 65, 48.201,
163.669

■ 65, 48.201,
163.669

■ 65, 52.170,
161.758

■ 66, 43.495,
165.379

■ 64, 55.437,
159.649

■ 66, 38.082,
166.906

■ 64, 56.861,
158.651

■ 67, 32.043,
168.273

■ 68, 25.488,
169.504

■ 69, 18.539,
170.624

■ 70, 11.314,
171.657

■ 72, 3.925, 172.668

■ 73, 3.536, 353.314

■ 75, 10.991,
354.214

Harmonies

Complementary

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



65, 48.201, 163.669



41, 56.432, 5.955

Rectangle

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



65, 48.201, 163.669



65, 48.201, 213.669



65, 48.201, 343.669



65, 48.201, 33.669

Sweetspot

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



65, 48.201, 163.668



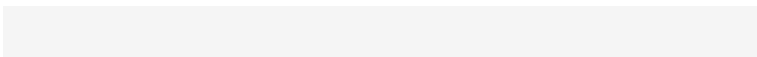
88, 20.976, 170.824



65, 74.833, 130.979



47, 14.571, 170.440



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



65, 48.201, 163.668



82, 66.210, 160.454



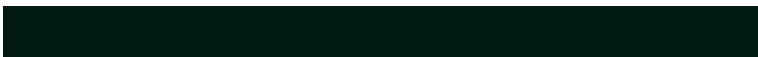
60, 30.989, 218.843



37, 4.220, 172.249



56, 50.602, 158.943



7, 11.021, 166.347

Inverse Universe

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



41, 56.432, 5.955



50, 77.066, 12.699



43, 58.055, 38.845



35, 4.318, 353.833



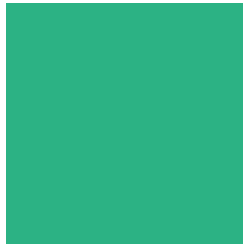
32, 58.616, 16.210



2, 9.857, 358.420

Previews

White Background



This preview shows how the CIE LCh color 65, 48.201, 163.669 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 65, 48.201, 163.669 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, 48.201, 163.669

Background



This preview shows how black text looks on a background with the CIELCh color 65, 48.201, 163.669.

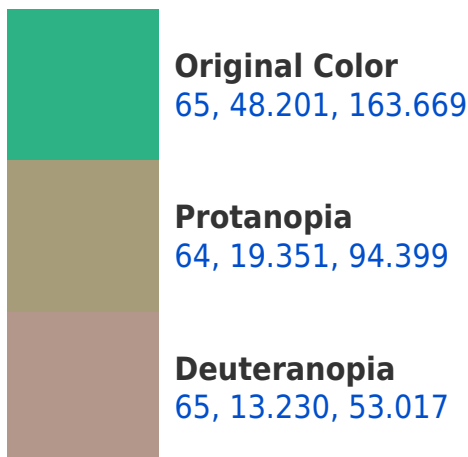


This preview shows how white text looks on a background with the CIELCh color 65, 48.201, 163.669.

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
65, 29.473, 212.679

Trichromacy



Original Color
65, 48.201, 163.669



Protanomaly
64, 26.781, 145.389



Deuteranomaly
63, 18.720, 149.821



Tritanomaly
65, 33.667, 188.979

Monochromacy



Original Color
65, 48.201, 163.669



Achromatopsia
56, 0.007, 296.813



Achromatomaly
58, 20.103, 170.570

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 48.201, 163.669 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(44, 178, 132)` looks like.

```
.text, #text, p{  
    color:rgb(44, 178, 132)  
}
```

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(44, 178, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 178, 132) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 48.201, 163.669 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(44, 178, 132) }
```

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

```
.border{ border-color:rgb(44, 178, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 178, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 178, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 178, 132);  
box-shadow:4px 4px 4px 4px rgb(44, 178,  
132) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 48.201, 163.669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 178, 132) }
```

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

```
.background{ background-color: rgb(44, 178,  
132) }
```

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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