

Converting Colors

CIELCh(65, 65.275, 148.392)

Have a look what the booklet for
CIELCh(65, 65.275, 148.392)
contains.

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Color

CIELCh(65, 65.127, 148.405)

Conversions

Conversions Part 1

Format	Color
Hex	28B45D
RGB	40, 180, 93
RGB Percent	16%, 71%, 36%
CMY	0.8445, 0.2925, 0.6339
CMYK	0.78, 0.00, 0.48, 0.29
HSL	143°, 64%, 43%
HSV	143°, 78%, 71%
XYZ	19.2567, 34.0472, 15.9975
YIQ	128.2220, -55.5130, -56.7370

Conversions

Conversions Part 2

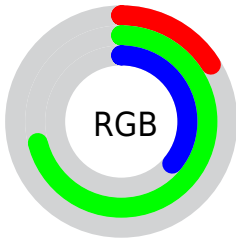
Format	Color
RYB	40, 142, 180
Decimal	2667613
CIELab	65.00, -55.47, 34.12
CIElCh	65, 65.127, 148.405
Yxy	34.0472, 0.2779, 0.4913
Android (android.graphics.Color)	4280857693 (0xFF28B45D)
YUV	128.2220, -17.3644, -77.3707
Hunter-Lab	58.3500, -43.2036, 24.5897

Details

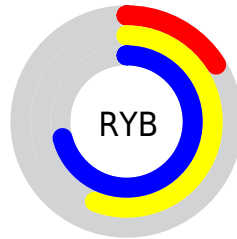
The CIELCh color **65, 65.127, 148.405** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **42, 63.756, 346.201**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **85, 64.950, 148.415**, and **46, 59.620, 143.501** is the 20% darker color. If you saturate the color by 10%, you get **65, 70.877, 146.439**, and if you desaturate by 10%, it is **66, 58.513, 150.186**.

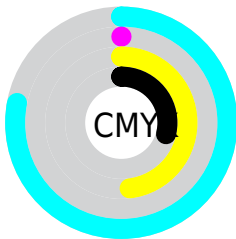
Distribution



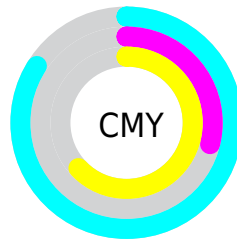
- Red (16%)
- Green (71%)
- Blue (36%)



- Red (16%)
- Yellow (56%)
- Blue (71%)



- Cyan (78%)
- Magenta (0%)
- Yellow (48%)
- Black (29%)





- Cyan (84%)
- Magenta (29%)
- Yellow (63%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 65.127, 148.405 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, 65.127, 148.405 by changing the saturation by 10% instead.


 65, 65.127,
148.405


 65, 65.127,
148.405


 100, 65.127,
148.405


 55, 65.127,
148.405


 85, 65.127,
148.405

 45, 65.127,
148.405

 95, 65.127,
148.405

 35, 65.127,
148.405

 25, 65.127,
148.405

 15, 65.127,
148.405

 5, 65.127, 148.405

 0, 65.127, 148.405

■ 65, 65.127,
148.405

■ 65, 65.127,
148.405

■ 65, 70.877,
146.439

■ 66, 58.513,
150.186

■ 64, 75.787,
144.365

■ 66, 51.112,
151.769

■ 64, 76.705,
143.978

■ 67, 43.052,
153.161

■ 68, 34.487,
154.380

■ 69, 25.578,
155.447

■ 71, 16.477,
156.388

■ 72, 7.313, 157.237

■ 74, 1.807, 337.735

■ 76, 10.801,
338.544

Harmonies

Complementary

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



65, 65.127, 148.405



42, 63.756, 346.201

Rectangle

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



65, 65.127, 148.405



65, 65.127, 198.405



65, 65.127, 328.405



65, 65.127, 18.405

Sweetspot

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



65, 65.127, 148.405



89, 26.029, 155.897



68, 71.453, 121.334



46, 17.984, 155.553



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, 65.127, 148.405



82, 90.871, 144.854



66, 40.243, 181.118



37, 5.124, 157.129



55, 67.470, 144.281



7, 13.203, 154.077

Inverse Universe

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



42, 63.756, 346.201



52, 82.360, 350.125



41, 61.253, 23.878



35, 5.162, 338.427



33, 60.360, 350.868



2, 11.453, 343.246

Previews

White Background



This preview shows how the CIE LCh color 65, 65.127, 148.405 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, 65.127, 148.405 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, 65.127, 148.405

Background



This preview shows how black text looks on a background with the CIELCh color 65, 65.127, 148.405.



This preview shows how white text looks on a background with the CIELCh color 65, 65.127, 148.405.

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, 65.030, 148.329

Protanopia
65, 39.588, 96.236

Deuteranopia
65, 32.156, 75.863



Tritanopia
65, 27.999, 213.631

Trichromacy



Original Color
65, 65.030, 148.329



Protanomaly
64, 45.497, 128.264



Deuteranomaly
63, 36.177, 124.647



Tritanomaly
65, 37.021, 176.023

Monochromacy



Original Color
65, 65.030, 148.329



Achromatopsia
54, 0.007, 296.813



Achromatomaly
57, 26.902, 154.421

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 65.127, 148.405 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(40, 180, 93)` looks like.

```
.text, #text, p{  
    color:rgb(40, 180, 93)  
}
```

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(40, 180, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 180, 93) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 65.127, 148.405 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(40, 180, 93) }
```

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

```
.border{ border-color:rgb(40, 180, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 180, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 180, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 180, 93);  
box-shadow:4px 4px 4px 4px rgb(40, 180,  
93) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 65.127, 148.405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 180, 93) }
```

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

```
.background{ background-color: rgb(40, 180,  
93) }
```

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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