

Converting Colors

CIELCh(65, 63.547, 120.934)

Have a look what the booklet for
CIELCh(65, 63.547, 120.934)
contains.

CIELCh(65, 63.315, 120.901)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(65, 63.315, 120.901)

Conversions

Conversions Part 1

Format	Color
Hex	80AB33
RGB	128, 171, 51
RGB Percent	50%, 67%, 20%
CMY	0.4972, 0.3286, 0.7992
CMYK	0.25, 0.00, 0.70, 0.33
HSL	82°, 54%, 44%
HSV	82°, 70%, 67%
XYZ	24.1353, 34.0472, 8.4554
YIQ	144.4630, 12.8920, -46.4360

Conversions

Conversions Part 2

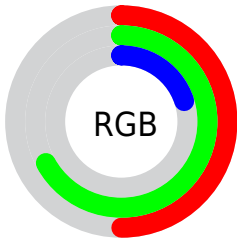
Format	Color
RYB	51, 171, 94
Decimal	8432435
CIELab	65.00, -32.52, 54.33
CIElCh	65, 63.315, 120.901
Yxy	34.0472, 0.3622, 0.5109
Android (android.graphics.Color)	4286622515 (0xFF80AB33)
YUV	144.4630, -46.0773, -14.4381
Hunter-Lab	58.3500, -28.2795, 32.2533

Details

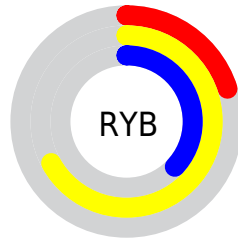
The CIELCh color **65, 63.315, 120.901** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **33, 73.531, 308.716**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 63.319, 120.992**, and **45, 58.915, 122.586** is the 20% darker color. If you saturate the color by 10%, you get **65, 69.578, 121.040**, and if you desaturate by 10%, it is **66, 55.766, 121.063**.

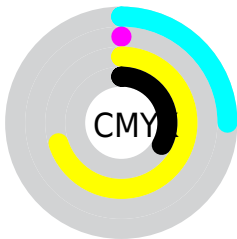
Distribution



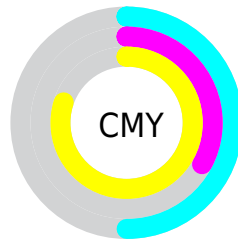
- Red (50%)
- Green (67%)
- Blue (20%)



- Red (20%)
- Yellow (67%)
- Blue (37%)



- Cyan (25%)
- Magenta (0%)
- Yellow (70%)
- Black (33%)





- Cyan (50%)
- Magenta (33%)
- Yellow (80%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 63.315, 120.901 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, 63.315, 120.901 by changing the saturation by 10% instead.


 65, 63.315,
120.901


 65, 63.315,
120.901


 100, 63.315,
120.901


 55, 63.315,
120.901


 85, 63.315,
120.901

 45, 63.315,
120.901


 95, 63.315,
120.901

 35, 63.315,
120.901

 25, 63.315,
120.901

 15, 63.315,
120.901

 5, 63.315, 120.901

 0, 63.315, 120.901

■ 65, 63.315,
120.901

■ 65, 63.315,
120.901

■ 65, 69.578,
121.040

■ 66, 55.766,
121.063

■ 64, 74.157,
121.588

■ 66, 47.329,
121.414

■ 64, 77.190,
122.489

■ 67, 38.320,
121.877

■ 68, 28.961,
122.395

■ 68, 19.404,
122.932

■ 69, 9.753, 123.466

■ 70, 0.077, 124.771

■ 71, 9.572, 304.449

■ 72, 19.158,
304.906

Harmonies

Complementary

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



65, 63.315, 120.901



33, 73.531, 308.716

Rectangle

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



65, 63.315, 120.901



65, 63.315, 170.901



65, 63.315, 300.901



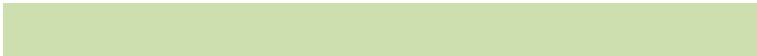
65, 63.315, 350.901

Sweetspot

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



65, 63.316, 120.902



86, 25.037, 122.863



48, 46.894, 52.982



46, 17.069, 122.719



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



65, 63.316, 120.902



81, 87.692, 121.278



62, 72.573, 135.746



36, 5.529, 123.507



57, 70.106, 122.326



6, 11.928, 127.419

Inverse Universe

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



33, 73.531, 308.716



37, 105.658, 309.353



41, 73.056, 322.930



34, 5.624, 304.463



20, 86.508, 309.329



1, 11.604, 301.510

Previews

White Background



This preview shows how the CIELCh color 65, 63.315, 120.901 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, 63.315, 120.901 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

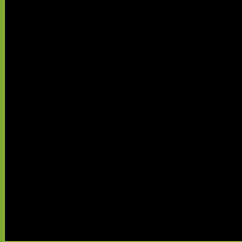
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 63.315, 120.901

Background



This preview shows how black text looks on a background with the CIELCh color 65, 63.315, 120.901.



This preview shows how white text looks on a background with the CIELCh color 65, 63.315, 120.901.

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](#).

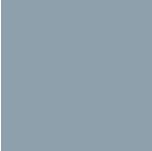
Dichromacy



Original Color
65, 63.315, 120.901

Protanopia
65, 56.947, 95.740

Deuteranopia
65, 53.174, 80.730



Tritanopia
65, 9.323, 250.110

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 63.315, 120.901 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(128, 171, 51)` looks like.

```
.text, #text, p{  
    color:rgb(128, 171, 51)  
}
```

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(128, 171, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 171, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 63.315, 120.901 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(128, 171, 51) }
```

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

```
.border{ border-color:rgb(128, 171, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 171, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 171, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 171, 51);  
box-shadow:4px 4px 4px 4px rgb(128, 171,  
51) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 63.315, 120.901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 171, 51) }
```

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

```
.background{ background-color: rgb(128,  
171, 51) }
```

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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