

Converting Colors

CIELCh(65, 47.652, 151.442)

Have a look what the booklet for
CIELCh(65, 47.652, 151.442)
contains.

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Color

CIELCh(65, 47.903, 151.379)

Conversions

Conversions Part 1

Format	Color
Hex	51B073
RGB	81, 176, 115
RGB Percent	32%, 69%, 45%
CMY	0.6823, 0.3097, 0.5489
CMYK	0.54, 0.00, 0.35, 0.31
HSL	141°, 38%, 50%
HSV	141°, 54%, 69%
XYZ	22.0200, 34.0472, 21.6363
YIQ	140.6410, -37.0390, -39.1110

Conversions

Conversions Part 2

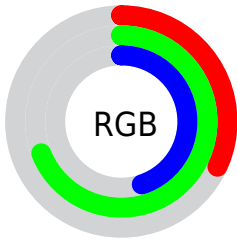
Format	Color
RYB	81, 151, 176
Decimal	5353587
CIELab	65.00, -42.05, 22.95
CIElCh	65, 47.903, 151.379
Yxy	34.0472, 0.2834, 0.4382
Android (android.graphics.Color)	4283543667 (0xFF51B073)
YUV	140.6410, -12.6410, -52.3052
Hunter-Lab	58.3500, -34.7503, 18.8601

Details

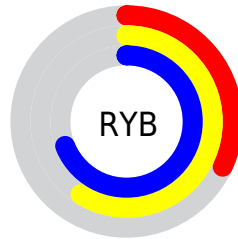
The CIELCh color **65, 47.903, 151.379** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **48, 48.639, 341.382**, and the grayscale version is **59, 0.007, 296.813**.

A 20% lighter version of the original color is **85, 47.846, 151.261**, and **45, 48.230, 151.138** is the 20% darker color. If you saturate the color by 10%, you get **64, 55.612, 149.892**, and if you desaturate by 10%, it is **66, 39.604, 152.683**.

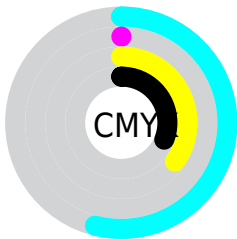
Distribution



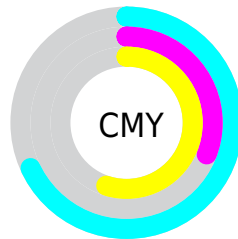
- Red (32%)
- Green (69%)
- Blue (45%)



- Red (32%)
- Yellow (59%)
- Blue (69%)



- Cyan (54%)
- Magenta (0%)
- Yellow (35%)
- Black (31%)





- Cyan (68%)
- Magenta (31%)
- Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 47.903, 151.379 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, 47.903, 151.379 by changing the saturation by 10% instead.


 65, 47.903,
151.379


 65, 47.903,
151.379


 100, 47.903,
151.379


 55, 47.903,
151.379


 85, 47.903,
151.379

 45, 47.903,
151.379

 95, 47.903,
151.379

 35, 47.903,
151.379

 25, 47.903,
151.379

 15, 47.903,
151.379

 5, 47.903, 151.379

 0, 47.903, 151.379

■ 65, 47.903,
151.379

■ 65, 47.903,
151.379

■ 64, 55.612,
149.892

■ 66, 39.604,
152.683

■ 64, 62.581,
148.211

■ 67, 30.873,
153.822

■ 63, 68.704,
146.345

■ 68, 21.870,
154.820

■ 63, 73.927,
144.328

■ 70, 12.740,
155.701

■ 63, 76.739,
143.142

■ 71, 3.602, 156.533

■ 73, 5.449, 337.065

■ 75, 14.342,
337.711

■ 77, 23.028,
338.267

■ 79, 31.475,
338.769

Harmonies

Complementary

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



65, 47.903, 151.379



48, 48.639, 341.382

Rectangle

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



65, 47.903, 151.379



65, 47.903, 201.379



65, 47.903, 331.379



65, 47.903, 21.379

Sweetspot

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



65, 47.904, 151.379



88, 18.112, 155.506



68, 51.739, 120.918



46, 12.218, 155.334



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



65, 47.904, 151.379



82, 69.735, 149.544



66, 31.591, 182.234



37, 5.215, 156.082



55, 68.811, 143.397



7, 13.380, 153.352

Inverse Universe

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



48, 48.639, 341.382



58, 69.817, 342.880



47, 41.474, 14.795



35, 5.250, 337.352



33, 61.102, 348.951



2, 11.657, 341.933

Previews

White Background



This preview shows how the CIE LCh color 65, 47.903, 151.379 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 65, 47.903, 151.379 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, 47.903, 151.379

Background



This preview shows how black text looks on a background with the CIELCh color 65, 47.903, 151.379.

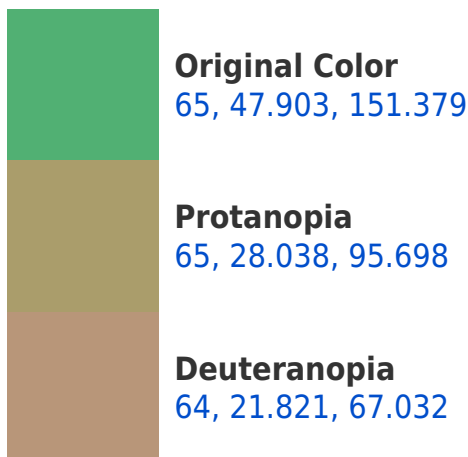


This preview shows how white text looks on a background with the CIELCh color 65, 47.903, 151.379.

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, 22.744, 216.421

Trichromacy



Original Color
65, 47.903, 151.379



Protanomaly
64, 31.425, 126.894



Deuteranomaly
64, 22.604, 120.374



Tritanomaly
65, 27.789, 180.693

Monochromacy



Original Color
65, 47.903, 151.379



Achromatopsia
59, 0.008, 296.813



Achromatomaly
61, 18.406, 155.540

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 47.903, 151.379 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(81, 176, 115)` looks like.

```
.text, #text, p{  
    color:rgb(81, 176, 115)  
}
```

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(81, 176, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 176, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 47.903, 151.379 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(81, 176, 115) }
```

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

```
.border{ border-color:rgb(81, 176, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 176, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 176, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 176, 115);  
box-shadow:4px 4px 4px 4px rgb(81, 176,  
115) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 47.903, 151.379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 176, 115) }
```

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

```
.background{ background-color: rgb(81, 176,  
115) }
```

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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