

Converting Colors

CIELCh(65, 56.682, 145.450)

Have a look what the booklet for
CIELCh(65, 56.682, 145.450)
contains.

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Color

CIELCh(65, 56.270, 145.614)

Conversions

Conversions Part 1

Format	Color
Hex	4DB162
RGB	77, 177, 98
RGB Percent	30%, 69%, 38%
CMY	0.6967, 0.3046, 0.6146
CMYK	0.56, 0.00, 0.45, 0.30
HSL	133°, 39%, 50%
HSV	133°, 56%, 70%
XYZ	21.0897, 34.0472, 17.0861
YIQ	138.0940, -34.2410, -45.7690

Conversions

Conversions Part 2

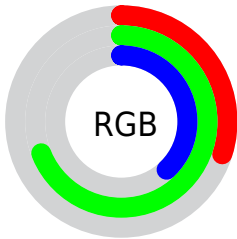
Format	Color
RYB	77, 160, 177
Decimal	5091682
CIELab	65.00, -46.44, 31.78
CIELCh	65, 56.270, 145.614
Yxy	34.0472, 0.2920, 0.4714
Android (android.graphics.Color)	4283281762 (0xFF4DB162)
YUV	138.0940, -19.7663, -53.5794
Hunter-Lab	58.3500, -37.5964, 23.4836

Details

The CIELCh color $65, 56.270, 145.614$ is a dark color, and the websafe version is hex $66CC66$. A complement of this color would be $48, 55.895, 334.680$, and the grayscale version is $58, 0.007, 296.813$.

A 20% lighter version of the original color is $85, 55.881, 145.687$, and $45, 56.156, 145.427$ is the 20% darker color. If you saturate the color by 10%, you get $64, 64.776, 144.192$, and if you desaturate by 10%, it is $66, 47.008, 146.876$.

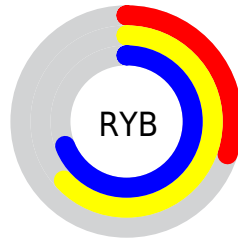
Distribution



Red (30%)

Green (69%)

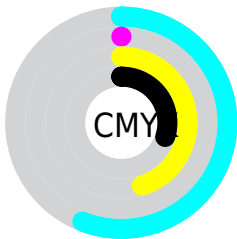
Blue (38%)



Red (30%)

Yellow (63%)

Blue (69%)

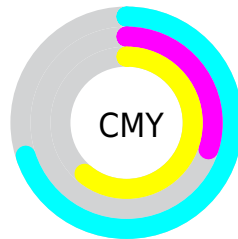


Cyan (56%)

Magenta (0%)

Yellow (45%)

Black (30%)



Cyan (70%)


Magenta (30%)


Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 56.270, 145.614 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, 56.270, 145.614 by changing the saturation by 10% instead.


 65, 56.270,
145.614


 65, 56.270,
145.614


 100, 56.270,
145.614


 55, 56.270,
145.614


 85, 56.270,
145.614

 45, 56.270,
145.614

 95, 56.270,
145.614

 35, 56.270,
145.614

 25, 56.270,
145.614

 15, 56.270,
145.614

 5, 56.270, 145.614

 0, 56.270, 145.614

■ 65, 56.270,
145.614

■ 65, 56.270,
145.614

■ 64, 64.776,
144.192

■ 66, 47.008,
146.876

■ 64, 72.305,
142.629

■ 67, 37.209,
147.980

■ 63, 78.663,
140.976

■ 68, 27.078,
148.936

■ 63, 83.704,
139.334

■ 70, 16.796,
149.766

■ 63, 85.250,
138.822

■ 71, 6.510, 150.505

■ 73, 3.665, 331.000

■ 75, 13.648,
331.593

■ 77, 23.380,
332.072

■ 79, 32.829,
332.490

Harmonies

Complementary

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



65, 56.270, 145.614



48, 55.895, 334.680

Rectangle

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



65, 56.270, 145.614



65, 56.270, 195.614



65, 56.270, 325.614



65, 56.270, 15.614

Sweetspot

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



65, 56.271, 145.614



88, 21.496, 149.696



69, 52.637, 114.368



46, 14.370, 149.542



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, 56.271, 145.614



81, 81.214, 143.772



66, 37.140, 169.753



37, 5.816, 150.292



55, 76.095, 139.029



7, 14.529, 149.234

Inverse Universe

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



48, 55.895, 334.680



58, 79.119, 335.688



47, 43.807, 3.950



35, 5.835, 331.412



34, 67.260, 338.557



2, 13.208, 334.056

Previews

White Background



This preview shows how the CIE LCh color 65, 56.270, 145.614 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, 56.270, 145.614 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, 56.270, 145.614

Background



This preview shows how black text looks on a background with the CIELCh color 65, 56.270, 145.614.



This preview shows how white text looks on a background with the CIELCh color 65, 56.270, 145.614.

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, 56.270, 145.614

Protanopia
65, 36.548, 95.842

Deuteranopia
65, 30.256, 74.130



Tritanopia
65, 22.744, 216.421

Trichromacy



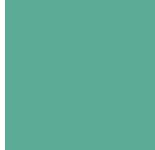
Original Color
65, 56.270, 145.614



Protanomaly
64, 39.413, 122.274



Deuteranomaly
64, 31.537, 116.055



Tritanomaly
65, 29.623, 174.753

Monochromacy



Original Color
65, 56.270, 145.614



Achromatopsia
57, 0.007, 296.813



Achromatomaly
60, 21.237, 149.636

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 56.270, 145.614 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(77, 177, 98)` looks like.

```
.text, #text, p{  
    color:rgb(77, 177, 98)  
}
```

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(77, 177, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 177, 98) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 56.270, 145.614 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(77, 177, 98) }
```

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

```
.border{ border-color:rgb(77, 177, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 177, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 177, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 177, 98);  
box-shadow:4px 4px 4px 4px rgb(77, 177,  
98) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 56.270, 145.614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 177, 98) }
```

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

```
.background{ background-color: rgb(77, 177,  
98) }
```

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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