

Converting Colors

CIELCh(65, 47.451, 153.212)

Have a look what the booklet for
CIELCh(65, 47.451, 153.212)
contains.

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Color

CIELCh(65, 47.246, 153.276)

Conversions

Conversions Part 1

Format	Color
Hex	4EB076
RGB	78, 176, 118
RGB Percent	31%, 69%, 46%
CMY	0.6935, 0.3092, 0.5367
CMYK	0.56, 0.00, 0.33, 0.31
HSL	144°, 39%, 50%
HSV	144°, 56%, 69%
XYZ	21.9879, 34.0472, 22.5956
YIQ	140.0860, -39.7900, -38.8140

Conversions

Conversions Part 2

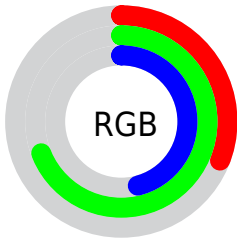
Format	Color
RYB	78, 148, 176
Decimal	5156982
CIELab	65.00, -42.20, 21.25
CIELCh	65, 47.246, 153.276
Yxy	34.0472, 0.2796, 0.4330
Android (android.graphics.Color)	4283347062 (0xFF4EB076)
YUV	140.0860, -10.8884, -54.4494
Hunter-Lab	58.3500, -34.8487, 17.8853

Details

The CIELCh color **65, 47.246, 153.276** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **48, 48.477, 344.295**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **85, 47.313, 153.196**, and **45, 47.563, 153.088** is the 20% darker color. If you saturate the color by 10%, you get **64, 54.491, 151.732**, and if you desaturate by 10%, it is **66, 39.402, 154.632**.

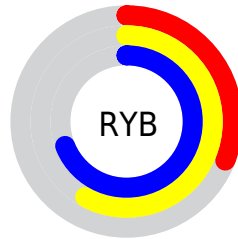
Distribution



Red (31%)

Green (69%)

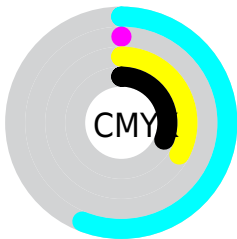
Blue (46%)



Red (31%)

Yellow (58%)

Blue (69%)

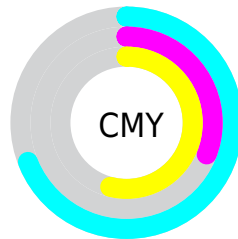


Cyan (56%)

Magenta (0%)

Yellow (33%)

Black (31%)



Cyan (69%)


Magenta (31%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 47.246, 153.276 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, 47.246, 153.276 by changing the saturation by 10% instead.


 65, 47.246,
153.276


 65, 47.246,
153.276


 100, 47.246,
153.276


 55, 47.246,
153.276


 85, 47.246,
153.276

 45, 47.246,
153.276

 95, 47.246,
153.276

 35, 47.246,
153.276

 25, 47.246,
153.276

 15, 47.246,
153.276

 5, 47.246, 153.276

 0, 47.246, 153.276

■ 65, 47.246,
153.276

■ 65, 47.246,
153.276

■ 64, 54.491,
151.732

■ 66, 39.402,
154.632

■ 64, 61.008,
149.988

■ 67, 31.103,
155.822

■ 63, 66.718,
148.047

■ 68, 22.502,
156.868

■ 63, 71.607,
145.946

■ 69, 13.738,
157.797

■ 63, 73.583,
145.059

■ 71, 4.932, 158.656

■ 73, 3.820, 339.226

■ 74, 12.443,
339.943

■ 76, 20.886,
340.549

■ 78, 29.113,
341.097

Harmonies

Complementary

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



65, 47.246, 153.276



48, 48.477, 344.295

Rectangle

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



65, 47.246, 153.276



65, 47.246, 203.276



65, 47.246, 333.276



65, 47.246, 23.276

Sweetspot

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



65, 47.247, 153.276



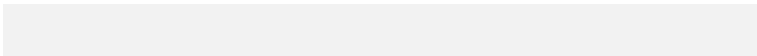
88, 18.531, 157.649



67, 53.833, 122.853



46, 12.382, 157.473



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, 47.247, 153.276



82, 68.515, 151.308



66, 31.253, 186.761



37, 5.025, 158.338



55, 65.938, 145.327



7, 13.008, 154.908

Inverse Universe

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



48, 48.477, 344.295



57, 69.315, 346.130



46, 43.213, 18.983



35, 5.067, 339.668



33, 59.629, 353.077



2, 11.240, 344.716

Previews

White Background



This preview shows how the CIE LCh color 65, 47.246, 153.276 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, 47.246, 153.276 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

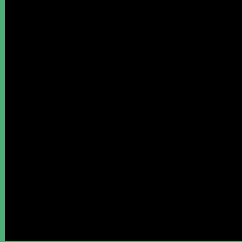
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 47.246, 153.276

Background



This preview shows how black text looks on a background with the CIELCh color 65, 47.246, 153.276.



This preview shows how white text looks on a background with the CIELCh color 65, 47.246, 153.276.

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, 47.246, 153.276

Protanopia
65, 26.359, 96.150

Deuteranopia
64, 20.229, 65.146



Tritanopia
65, 23.537, 217.178

Trichromacy



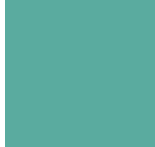
Original Color
65, 47.246, 153.276



Protanomaly
64, 30.227, 129.366



Deuteranomaly
64, 21.848, 124.132



Tritanomaly
65, 27.822, 183.088

Monochromacy



Original Color
65, 47.246, 153.276



Achromatopsia
58, 0.007, 296.813



Achromatomaly
60, 18.028, 156.795

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 47.246, 153.276 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(78, 176, 118)` looks like.

```
.text, #text, p{  
    color:rgb(78, 176, 118)  
}
```

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(78, 176, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 176, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 47.246, 153.276 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(78, 176, 118) }
```

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

```
.border{ border-color:rgb(78, 176, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 176, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 176, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 176, 118);  
box-shadow:4px 4px 4px 4px rgb(78, 176,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 47.246, 153.276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 176, 118) }
```

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

```
.background{ background-color: rgb(78, 176,  
118) }
```

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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