

Converting Colors

CIELCh(65, 45.146, 148.118)

Have a look what the booklet for
CIELCh(65, 45.146, 148.118)
contains.

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Color

CIELCh(65, 45.129, 148.171)

Conversions

Conversions Part 1

Format	Color
Hex	5EAF72
RGB	94, 175, 114
RGB Percent	37%, 69%, 45%
CMY	0.6331, 0.3155, 0.5546
CMYK	0.46, 0.00, 0.35, 0.32
HSL	135°, 33%, 53%
HSV	135°, 46%, 68%
XYZ	22.8271, 34.0472, 21.1647
YIQ	143.8270, -28.6950, -36.1430

Conversions

Conversions Part 2

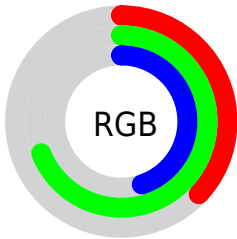
Format	Color
RYB	94, 159, 175
Decimal	6205298
CIELab	65.00, -38.34, 23.80
CIElCh	65, 45.129, 148.171
Yxy	34.0472, 0.2925, 0.4363
Android (android.graphics.Color)	4284395378 (0xFF5EAF72)
YUV	143.8270, -14.7047, -43.6983
Hunter-Lab	58.3500, -32.2813, 19.3393

Details

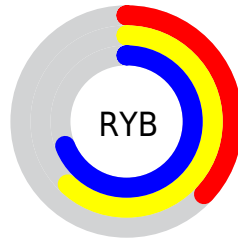
The CIELCh color **65, 45.129, 148.171** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **51, 45.313, 335.482**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 45.090, 147.932**, and **45, 45.394, 148.033** is the 20% darker color. If you saturate the color by 10%, you get **64, 54.026, 146.887**, and if you desaturate by 10%, it is **66, 35.728, 149.291**.

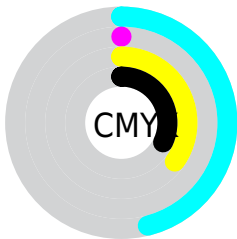
Distribution



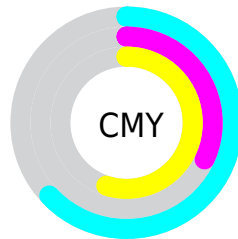
- Red (37%)
- Green (69%)
- Blue (45%)



- Red (37%)
- Yellow (62%)
- Blue (69%)



- Cyan (46%)
- Magenta (0%)
- Yellow (35%)
- Black (32%)





- Cyan (63%)
- Magenta (32%)
- Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 45.129, 148.171 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, 45.129, 148.171 by changing the saturation by 10% instead.


 65, 45.129,
148.171


 65, 45.129,
148.171


 100, 45.129,
148.171


 55, 45.129,
148.171


 85, 45.129,
148.171

 45, 45.129,
148.171

 95, 45.129,
148.171

 35, 45.129,
148.171

 25, 45.129,
148.171

 15, 45.129,
148.171

 5, 45.129, 148.171

 0, 45.129, 148.171

■ 65, 45.129,
148.171

■ 65, 45.129,
148.171

■ 64, 54.026,
146.887

■ 66, 35.728,
149.291

■ 63, 62.219,
145.433

■ 67, 26.010,
150.264

■ 63, 69.517,
143.819

■ 69, 16.143,
151.111

■ 63, 75.760,
142.084

■ 70, 6.268, 151.868

■ 62, 80.843,
140.315

■ 72, 3.507, 332.373

■ 62, 82.445,
139.749

■ 74, 13.104,
332.990

■ 76, 22.466,
333.489

■ 78, 31.561,
333.928

■ 80, 40.368,
334.319

Harmonies

Complementary

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



65, 45.129, 148.171



51, 45.313, 335.482

Rectangle

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



65, 45.129, 148.171



65, 45.129, 198.171



65, 45.129, 328.171



65, 45.129, 18.171

Sweetspot

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



65, 45.130, 148.171



87, 17.045, 151.280



68, 43.720, 116.365



46, 11.871, 151.114



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, 45.130, 148.171



81, 66.334, 146.808



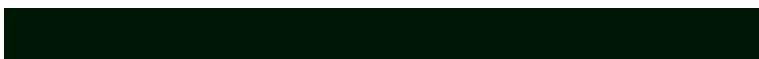
66, 30.297, 173.531



36, 5.524, 151.653



54, 73.501, 139.980



6, 12.032, 150.591

Inverse Universe

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



51, 45.313, 335.482



61, 66.071, 336.349



50, 35.429, 4.303



34, 5.546, 332.800



33, 64.692, 340.916



2, 10.969, 335.505

Previews

White Background



This preview shows how the CIELCh color 65, 45.129, 148.171 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, 45.129, 148.171 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, 45.129, 148.171

Background



This preview shows how black text looks on a background with the CIELCh color 65, 45.129, 148.171.



This preview shows how white text looks on a background with the CIELCh color 65, 45.129, 148.171.

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, 45.129, 148.171

Protanopia
65, 28.566, 95.835

Deuteranopia
64, 22.703, 68.661



Tritanopia
65, 19.880, 221.247

Trichromacy



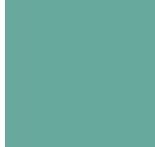
Original Color
65, 45.129, 148.171



Protanomaly
64, 30.783, 123.426



Deuteranomaly
64, 23.352, 115.825



Tritanomaly
65, 24.143, 179.822

Monochromacy



Original Color
65, 45.129, 148.171



Achromatopsia
59, 0.008, 296.813



Achromatomaly
61, 16.817, 150.716

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 45.129, 148.171 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(94, 175, 114)` looks like.

```
.text, #text, p{  
    color:rgb(94, 175, 114)  
}
```

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(94, 175, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 175, 114) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 45.129, 148.171 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(94, 175, 114) }
```

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

```
.border{ border-color:rgb(94, 175, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 175, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 175, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 175, 114);  
box-shadow:4px 4px 4px 4px rgb(94, 175,  
114) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 45.129, 148.171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 175, 114) }
```

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

```
.background{ background-color: rgb(94, 175,  
114) }
```

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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