

Converting Colors

CIELCh(65, 45.919, 135.028)

Have a look what the booklet for
CIELCh(65, 45.919, 135.028)
contains.

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Color

CIELCh(65, 45.899, 135.237)

Conversions

Conversions Part 1

Format	Color
Hex	74AC62
RGB	116, 172, 98
RGB Percent	45%, 67%, 38%
CMY	0.5455, 0.3259, 0.6161
CMYK	0.33, 0.00, 0.43, 0.33
HSL	105°, 31%, 53%
HSV	105°, 43%, 67%
XYZ	24.1184, 34.0472, 16.8300
YIQ	146.8200, -9.6220, -34.8860

Conversions

Conversions Part 2

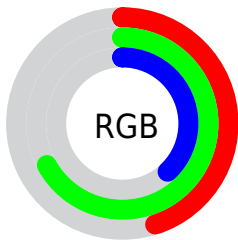
Format	Color
RYB	98, 172, 154
Decimal	7646306
CIELab	65.00, -32.59, 32.32
CIELCh	65, 45.899, 135.237
Yxy	34.0472, 0.3216, 0.4540
Android (android.graphics.Color)	4285836386 (0xFF74AC62)
YUV	146.8200, -24.0683, -27.0291
Hunter-Lab	58.3500, -28.3311, 23.7438

Details

The CIELCh color **65, 45.899, 135.237** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **50, 46.987, 319.314**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 45.944, 135.353**, and **45, 45.989, 135.135** is the 20% darker color. If you saturate the color by 10%, you get **64, 55.913, 134.629**, and if you desaturate by 10%, it is **66, 35.438, 135.843**.

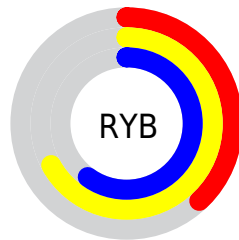
Distribution



Red (45%)

Green (67%)

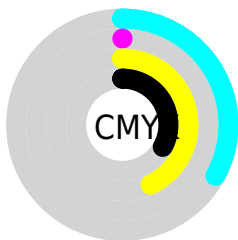
Blue (38%)



Red (38%)

Yellow (67%)

Blue (60%)

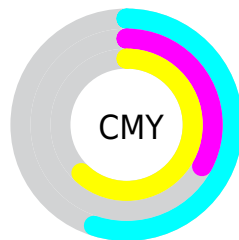


Cyan (33%)

Magenta (0%)

Yellow (43%)

Black (33%)



Cyan (55%)


Magenta (33%)


Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 45.899, 135.237 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, 45.899, 135.237 by changing the saturation by 10% instead.


 65, 45.899,
135.237


 65, 45.899,
135.237


 100, 45.899,
135.237


 55, 45.899,
135.237


 85, 45.899,
135.237

 45, 45.899,
135.237

 95, 45.899,
135.237

 35, 45.899,
135.237

 25, 45.899,
135.237

 15, 45.899,
135.237

 5, 45.899, 135.237

 0, 45.899, 135.237

■ 65, 45.899,
135.237

■ 65, 45.899,
135.237

■ 64, 55.913,
134.629

■ 66, 35.438,
135.843

■ 63, 65.184,
134.074

■ 67, 24.743,
136.412

■ 63, 73.332,
133.665

■ 68, 13.973,
136.932

■ 62, 79.908,
133.522

■ 70, 3.240, 137.431

■ 62, 84.516,
133.759

■ 71, 7.371, 317.754

■ 62, 86.797,
134.025

■ 73, 17.805,
318.115

■ 75, 28.023,
318.419

■ 76, 38.002,
318.679

■ 78, 47.727,
318.900

Harmonies

Complementary

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



65, 45.899, 135.237



50, 46.987, 319.314

Rectangle

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



65, 45.899, 135.237



65, 45.899, 185.237



65, 45.899, 315.237



65, 45.899, 5.237

Sweetspot

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



65, 45.900, 135.238



87, 17.295, 136.922



64, 31.623, 91.971



46, 12.097, 136.815



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, 45.900, 135.238



82, 68.092, 134.635



64, 41.415, 148.666



36, 6.096, 137.114



54, 78.572, 133.904



6, 13.028, 138.862

Inverse Universe

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



50, 46.987, 319.314



60, 69.946, 319.654



52, 41.649, 335.328



34, 6.136, 317.879



29, 79.932, 319.350



2, 12.575, 314.943

Previews

White Background



This preview shows how the CIELCh color 65, 45.899, 135.237 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, 45.899, 135.237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

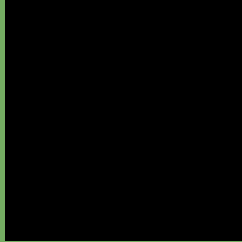
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 45.899, 135.237

Background



This preview shows how black text looks on a background with the CIELCh color 65, 45.899, 135.237.



This preview shows how white text looks on a background with the CIELCh color 65, 45.899, 135.237.

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, 45.899, 135.237

Protanopia
65, 36.037, 95.764

Deuteranopia
65, 31.460, 74.366



Tritanopia
65, 13.596, 230.868

Trichromacy



Original Color
65, 45.899, 135.237

Protanomaly
64, 37.027, 112.877

Deuteranomaly
64, 31.195, 103.614

Tritanomaly
65, 18.667, 165.359

Monochromacy



Original Color
65, 45.899, 135.237

Achromatopsia
61, 0.008, 296.813

Achromatomaly
62, 17.068, 136.238

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 45.899, 135.237 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(116, 172, 98)` looks like.

```
.text, #text, p{  
    color:rgb(116, 172, 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(116, 172, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 172, 98) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 45.899, 135.237 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(116, 172, 98) }
```

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

```
.border{ border-color:rgb(116, 172, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 172, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 172, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 172, 98);  
box-shadow:4px 4px 4px 4px rgb(116, 172,  
98) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 45.899, 135.237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 172, 98) }
```

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

```
.background{ background-color: rgb(116,  
172, 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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