

Converting Colors

CIELCh(65, 31.186, 146.709)

Have a look what the booklet for
CIELCh(65, 31.186, 146.709)
contains.

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Color

CIELCh(65, 31.565, 146.733)

Conversions

Conversions Part 1

Format	Color
Hex	76AA7E
RGB	118, 170, 126
RGB Percent	46%, 67%, 49%
CMY	0.5377, 0.3338, 0.5064
CMYK	0.31, 0.00, 0.26, 0.33
HSL	129°, 23%, 56%
HSV	129°, 31%, 67%
XYZ	25.5629, 34.0472, 24.9219
YIQ	149.4360, -16.8680, -24.7080

Conversions

Conversions Part 2

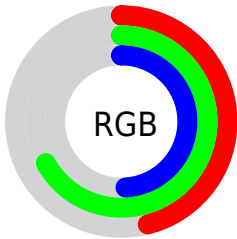
Format	Color
RYB	118, 163, 170
Decimal	7776894
CIELab	65.00, -26.39, 17.31
CIELCh	65, 31.565, 146.733
Yxy	34.0472, 0.3024, 0.4028
Android (android.graphics.Color)	4285966974 (0xFF76AA7E)
YUV	149.4360, -11.5539, -27.5694
Hunter-Lab	58.3500, -23.9123, 15.5216

Details

The CIELCh color **65, 31.565, 146.733** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **56, 31.643, 330.814**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 31.876, 146.976**, and **45, 31.213, 147.151** is the 20% darker color. If you saturate the color by 10%, you get **64, 41.645, 145.746**, and if you desaturate by 10%, it is **66, 21.263, 147.587**.

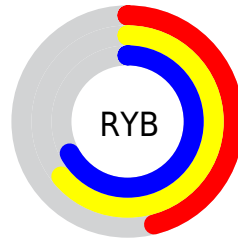
Distribution



Red (46%)

Green (67%)

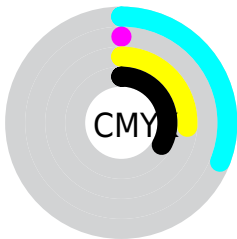
Blue (49%)



Red (46%)

Yellow (64%)

Blue (67%)

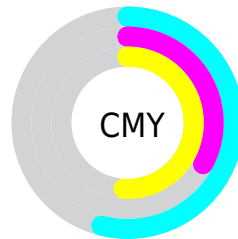


Cyan (31%)

Magenta (0%)

Yellow (26%)

Black (33%)



Cyan (54%)


Magenta (33%)


Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 31.565, 146.733 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, 31.565, 146.733 by changing the saturation by 10% instead.


 65, 31.565,
146.733


 65, 31.565,
146.733


 100, 31.565,
146.733


 55, 31.565,
146.733


 85, 31.565,
146.733

 45, 31.565,
146.733

 95, 31.565,
146.733

 35, 31.565,
146.733

 25, 31.565,
146.733

 15, 31.565,
146.733

 5, 31.565, 146.733

 0, 31.565, 146.733

■ 65, 31.565,
146.733

■ 65, 31.565,
146.733

■ 64, 41.645,
145.746

■ 66, 21.263,
147.587

■ 63, 51.296,
144.614

■ 68, 10.903,
148.330

■ 62, 60.288,
143.335

■ 69, 0.615, 149.361

■ 61, 68.372,
141.929

■ 71, 9.503, 329.449

■ 61, 75.295,
140.444

■ 73, 19.385,
329.933

■ 61, 80.823,
138.968

■ 75, 28.989,
330.346

■ 61, 84.672,
137.776

■ 77, 38.291,
330.705

■ 80, 47.282,
331.021

■ 80, 53.180,
326.258

Harmonies

Complementary

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



65, 31.565, 146.733



56, 31.643, 330.814

Rectangle

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



65, 31.565, 146.733



65, 31.565, 196.733



65, 31.565, 326.733



65, 31.565, 16.733

Sweetspot

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



65, 31.566, 146.733



87, 11.481, 148.431



68, 28.364, 113.806



46, 8.049, 148.332



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, 31.566, 146.733



82, 47.251, 146.051



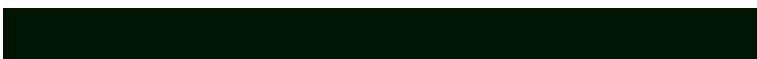
66, 21.566, 169.613



35, 5.766, 148.423



53, 76.169, 137.943



5, 10.649, 148.282

Inverse Universe

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



56, 31.643, 330.814



69, 47.310, 331.258



55, 23.210, 355.835



33, 5.781, 329.489



34, 68.407, 335.332



2, 10.113, 330.704

Previews

White Background



This preview shows how the CIELCh color 65, 31.565, 146.733 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, 31.565, 146.733 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

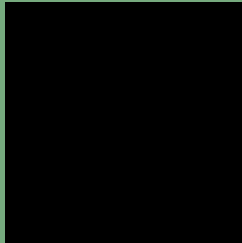
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 31.565, 146.733

Background



This preview shows how black text looks on a background with the CIELCh color 65, 31.565, 146.733.



This preview shows how white text looks on a background with the CIELCh color 65, 31.565, 146.733.

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, 31.565, 146.733

Protanopia
65, 20.933, 95.233

Deuteranopia
65, 17.516, 61.470



Tritanopia
65, 14.138, 229.453

Trichromacy



Original Color
65, 31.565, 146.733

Protanomaly
65, 22.530, 120.399

Deuteranomaly
64, 16.019, 106.982

Tritanomaly
65, 15.399, 183.363

Monochromacy



Original Color
65, 31.565, 146.733

Achromatopsia
62, 0.008, 296.813

Achromatomaly
63, 11.638, 148.359

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 31.565, 146.733 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(118, 170, 126)` looks like.

```
.text, #text, p{  
    color:rgb(118, 170, 126)  
}
```

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(118, 170, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 170, 126) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 31.565, 146.733 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(118, 170, 126) }
```

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

```
.border{ border-color:rgb(118, 170, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 170, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 170, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 170, 126);  
box-shadow:4px 4px 4px 4px rgb(118, 170,  
126) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 31.565, 146.733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 170, 126) }
```

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

```
.background{ background-color: rgb(118,  
170, 126) }
```

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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