

Converting Colors

CIELCh(66, 32.963, 131.628)

Have a look what the booklet for
CIELCh(66, 32.963, 131.628)
contains.

CIELCh(66, 32.996, 131.620)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(66, 32.996, 131.620)

Conversions

Conversions Part 1

Format	Color
Hex	88AA73
RGB	136, 170, 115
RGB Percent	53%, 67%, 45%
CMY	0.4658, 0.3325, 0.5482
CMYK	0.20, 0.00, 0.32, 0.33
HSL	97°, 24%, 56%
HSV	97°, 32%, 67%
XYZ	27.7082, 35.3238, 21.6383
YIQ	153.5640, -2.6090, -24.3130

Conversions

Conversions Part 2

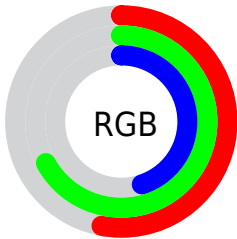
Format	Color
RYB	115, 170, 149
Decimal	8956531
CIELab	66.00, -21.92, 24.67
CIElCh	66, 32.996, 131.620
Yxy	35.3238, 0.3272, 0.4172
Android (android.graphics.Color)	4287146611 (0xFF88AA73)
YUV	153.5640, -19.0121, -15.4036
Hunter-Lab	59.4338, -20.7922, 20.0177

Details

The CIELCh color **66, 32.996, 131.620** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **54, 34.076, 314.481**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 32.933, 131.435**, and **46, 33.307, 131.632** is the 20% darker color. If you saturate the color by 10%, you get **65, 42.968, 131.124**, and if you desaturate by 10%, it is **67, 22.825, 132.113**.

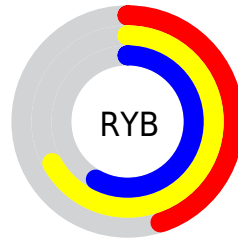
Distribution



Red (53%)

Green (67%)

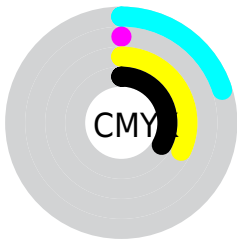
Blue (45%)



Red (45%)

Yellow (67%)

Blue (58%)

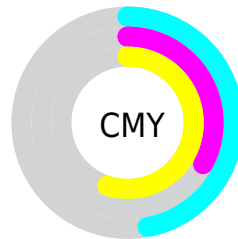


Cyan (20%)

Magenta (0%)

Yellow (32%)

Black (33%)



Cyan (47%)


Magenta (33%)


Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 32.996, 131.620 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 66, 32.996, 131.620 by changing the saturation by 10% instead.


 66, 32.996,
131.620


 66, 32.996,
131.620


 100, 32.996,
131.620


 56, 32.996,
131.620


 86, 32.996,
131.620

 46, 32.996,
131.620

 96, 32.996,
131.620

 36, 32.996,
131.620

 26, 32.996,
131.620

 16, 32.996,
131.620

 6, 32.996, 131.620

 0, 32.996, 131.620

■ 66, 32.996,
131.620

■ 66, 32.996,
131.620

■ 65, 42.968,
131.124

■ 67, 22.825,
132.113

■ 64, 52.555,
130.657

■ 68, 12.579,
132.580

■ 63, 61.501,
130.283

■ 69, 2.354, 133.053

■ 63, 69.459,
130.093

■ 71, 7.786, 313.360

■ 62, 76.008,
130.208

■ 72, 17.794,
313.712

■ 62, 80.762,
130.743

■ 74, 27.638,
314.017

■ 62, 83.423,
131.328

■ 75, 37.297,
314.284

■ 77, 46.757,
314.516

■ 78, 49.643,
317.673

Harmonies

Complementary

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



66, 32.996, 131.620



54, 34.076, 314.481

Rectangle

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



66, 32.996, 131.620



66, 32.996, 181.620



66, 32.996, 311.620



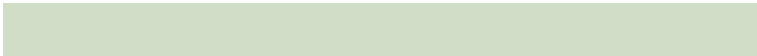
66, 32.996, 1.620

Sweetspot

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



66, 32.997, 131.621



87, 12.657, 132.677



63, 20.985, 82.745



46, 8.709, 132.615



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



66, 32.997, 131.621



83, 49.214, 131.253



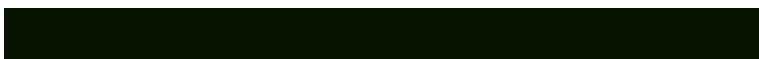
65, 34.268, 145.429



35, 5.719, 132.717



54, 75.090, 131.156



5, 10.580, 134.822

Inverse Universe

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



54, 34.076, 314.481



65, 51.215, 314.810



56, 34.305, 329.664



33, 5.777, 313.453



25, 80.960, 315.102



1, 10.242, 310.461

Previews

White Background



This preview shows how the CIELCh color 66, 32.996, 131.620 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 66, 32.996, 131.620 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 66, 32.996, 131.620

Background



This preview shows how black text looks on a background with the CIELCh color 66, 32.996, 131.620.



This preview shows how white text looks on a background with the CIELCh color 66, 32.996, 131.620.

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](#).

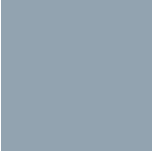
Dichromacy



Original Color
66, 32.996, 131.620

Protanopia
66, 27.421, 95.624

Deuteranopia
66, 24.515, 69.364



Tritanopia
66, 9.296, 250.070

Trichromacy



Original Color
66, 32.996, 131.620

Protanomaly
66, 27.846, 110.677

Deuteranomaly
65, 23.020, 96.145

Tritanomaly
66, 11.304, 162.466

Monochromacy



Original Color
66, 32.996, 131.620

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 12.077, 131.971

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 32.996, 131.620 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(136, 170, 115)` looks like.

```
.text, #text, p{  
    color:rgb(136, 170, 115)  
}
```

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(136, 170, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 170, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 32.996, 131.620 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(136, 170, 115) }
```

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

```
.border{ border-color:rgb(136, 170, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 170, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 170, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 170, 115);  
box-shadow:4px 4px 4px 4px rgb(136, 170,  
115) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 32.996, 131.620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 170, 115) }
```

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

```
.background{ background-color: rgb(136,  
170, 115) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor