

Converting Colors

CIELCh(64, 32.737, 133.175)

Have a look what the booklet for
CIELCh(64, 32.737, 133.175)
contains.

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Color

CIELCh(64, 32.551, 133.577)

Conversions

Conversions Part 1

Format	Color
Hex	81A570
RGB	129, 165, 112
RGB Percent	51%, 65%, 44%
CMY	0.4937, 0.3525, 0.5603
CMYK	0.22, 0.00, 0.32, 0.35
HSL	101°, 23%, 54%
HSV	101°, 32%, 65%
XYZ	25.4783, 32.8017, 20.3504
YIQ	148.1940, -4.4430, -24.1150

Conversions

Conversions Part 2

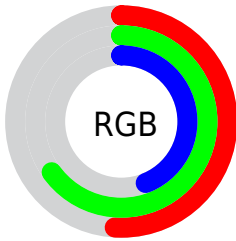
Format	Color
RYB	112, 165, 148
Decimal	8496496
CIELab	64.00, -22.44, 23.58
CIELCh	64, 32.551, 133.577
Yxy	32.8017, 0.3240, 0.4172
Android (android.graphics.Color)	4286686576 (0xFF81A570)
YUV	148.1940, -17.8436, -16.8331
Hunter-Lab	57.2727, -20.8200, 19.0237

Details

The CIELCh color $64, 32.551, 133.577$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $53, 33.397, 316.425$, and the grayscale version is $62, 0.008, 296.813$.

A 20% lighter version of the original color is $84, 32.459, 133.313$, and $44, 32.911, 133.633$ is the 20% darker color. If you saturate the color by 10%, you get $63, 42.473, 133.045$, and if you desaturate by 10%, it is $65, 22.437, 134.092$.

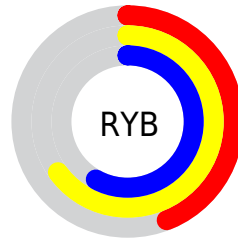
Distribution



Red (51%)

Green (65%)

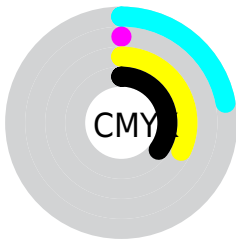
Blue (44%)



Red (44%)

Yellow (65%)

Blue (58%)

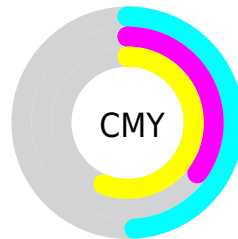


Cyan (22%)

Magenta (0%)

Yellow (32%)

Black (35%)



Cyan (49%)


Magenta (35%)


Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 32.551, 133.577 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 64, 32.551, 133.577 by changing the saturation by 10% instead.

 64, 32.551,
133.577

 64, 32.551,
133.577


 100, 32.551,
133.577


 54, 32.551,
133.577


 84, 32.551,
133.577

 44, 32.551,
133.577

 94, 32.551,
133.577

 34, 32.551,
133.577

 24, 32.551,
133.577

 14, 32.551,
133.577

 4, 32.551, 133.577

 0, 32.551, 133.577

■ 64, 32.551,
133.577

■ 64, 32.551,
133.577

■ 63, 42.473,
133.045

■ 65, 22.437,
134.092

■ 62, 52.013,
132.526

■ 66, 12.259,
134.572

■ 61, 60.917,
132.079

■ 68, 2.114, 135.061

■ 61, 68.842,
131.793

■ 69, 7.929, 315.352

■ 60, 75.373,
131.787

■ 70, 17.823,
315.699

■ 60, 80.120,
132.176

■ 72, 27.536,
315.996

■ 60, 82.832,
132.643

■ 73, 37.045,
316.252

■ 75, 46.339,
316.473

■ 77, 52.718,
317.967

Harmonies

Complementary

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



64, 32.551, 133.577



53, 33.397, 316.425

Rectangle

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



64, 32.551, 133.577



64, 32.551, 183.577



64, 32.551, 313.577



64, 32.551, 3.577

Sweetspot

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



64, 32.552, 133.578



84, 12.509, 134.661



62, 21.154, 87.055



44, 8.524, 134.600



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



64, 32.552, 133.578



80, 48.704, 133.173



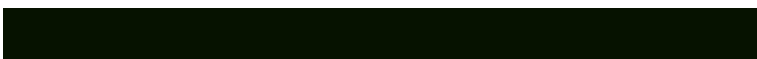
63, 32.036, 147.006



34, 5.668, 134.703



53, 75.304, 132.498



4, 8.887, 136.033

Inverse Universe

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



53, 33.397, 316.425



63, 50.269, 316.745



54, 32.125, 331.350



32, 5.717, 315.435



26, 78.989, 316.903



1, 8.684, 313.203

Previews

White Background



This preview shows how the CIELCh color 64, 32.551, 133.577 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 CIELCh color 64, 32.551, 133.577 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 64, 32.551, 133.577

Background



This preview shows how black text looks on a background with the CIELCh color 64, 32.551, 133.577.



This preview shows how white text looks on a background with the CIELCh color 64, 32.551, 133.577.

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](#).

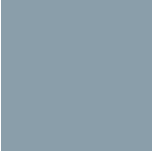
Dichromacy



Original Color
64, 32.551, 133.577

Protanopia
64, 26.417, 96.104

Deuteranopia
64, 23.219, 69.380



Tritanopia
64, 9.658, 243.007

Trichromacy



Original Color
64, 32.551, 133.577

Protanomaly
64, 27.524, 112.464

Deuteranomaly
63, 21.909, 97.809

Tritanomaly
64, 11.969, 164.402

Monochromacy



Original Color
64, 32.551, 133.577

Achromatopsia
61, 0.008, 296.813

Achromatomaly
62, 11.823, 134.722

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 32.551, 133.577 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(129, 165, 112)` looks like.

```
.text, #text, p{  
    color:rgb(129, 165, 112)  
}
```

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(129, 165, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 165, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 32.551, 133.577 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(129, 165, 112) }
```

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

```
.border{ border-color:rgb(129, 165, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 165, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 165, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 165, 112);  
box-shadow:4px 4px 4px 4px rgb(129, 165,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 32.551, 133.577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 165, 112) }
```

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

```
.background{ background-color: rgb(129,  
165, 112) }
```

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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