

Converting Colors

CIELCh(64, 33.150, 128.483)

Have a look what the booklet for
CIELCh(64, 33.150, 128.483)
contains.

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Color

CIELCh(64, 33.032, 128.760)

Conversions

Conversions Part 1

Format	Color
Hex	86A46C
RGB	134, 164, 108
RGB Percent	53%, 64%, 42%
CMY	0.4737, 0.3560, 0.5757
CMYK	0.18, 0.00, 0.34, 0.36
HSL	92°, 24%, 53%
HSV	92°, 34%, 64%
XYZ	25.8974, 32.8017, 19.2106
YIQ	148.6460, 0.0960, -23.7760

Conversions

Conversions Part 2

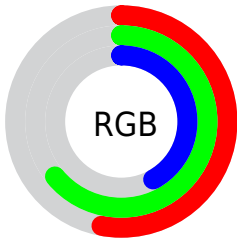
Format	Color
RYB	108, 164, 138
Decimal	8823916
CIELab	64.00, -20.68, 25.76
CIELCh	64, 33.032, 128.760
Yxy	32.8017, 0.3324, 0.4210
Android (android.graphics.Color)	4287013996 (0xFF86A46C)
YUV	148.6460, -20.0385, -12.8445
Hunter-Lab	57.2727, -19.5137, 20.2037

Details

The CIELCh color **64, 33.032, 128.760** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **51, 34.495, 311.885**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 32.965, 128.719**, and **44, 32.823, 129.019** is the 20% darker color. If you saturate the color by 10%, you get **63, 42.428, 128.297**, and if you desaturate by 10%, it is **65, 23.417, 129.239**.

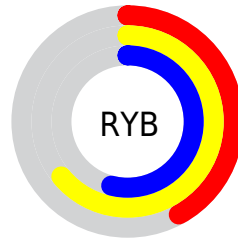
Distribution



Red (53%)

Green (64%)

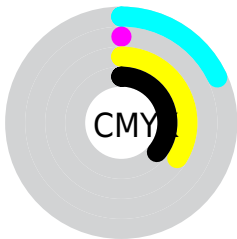
Blue (42%)



Red (42%)

Yellow (64%)

Blue (54%)

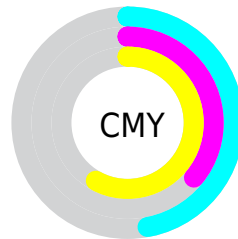


Cyan (18%)

Magenta (0%)

Yellow (34%)

Black (36%)



Cyan (47%)


Magenta (36%)


Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 33.032, 128.760 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, 33.032, 128.760 by changing the saturation by 10% instead.

 64, 33.032,
128.760


 64, 33.032,
128.760


 100, 33.032,
128.760


 54, 33.032,
128.760


 84, 33.032,
128.760

 44, 33.032,
128.760

 94, 33.032,
128.760

 34, 33.032,
128.760

 24, 33.032,
128.760

 14, 33.032,
128.760

 4, 33.032, 128.760

 0, 33.032, 128.760

■ 64, 33.032,
128.760

■ 64, 33.032,
128.760

■ 63, 42.428,
128.297

■ 65, 23.417,
129.239

■ 62, 51.422,
127.887

■ 66, 13.703,
129.707

■ 62, 59.765,
127.600

■ 67, 3.977, 130.164

■ 61, 67.114,
127.533

■ 68, 5.697, 310.520

■ 61, 73.068,
127.805

■ 69, 15.276,
310.899

■ 60, 77.284,
128.527

■ 71, 24.728,
311.232

■ 60, 79.260,
129.033

■ 72, 34.031,
311.529

■ 73, 43.172,
311.792

■ 75, 51.642,
312.203

Harmonies

Complementary

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



64, 33.032, 128.760



51, 34.495, 311.885

Rectangle

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



64, 33.032, 128.760



64, 33.032, 178.760



64, 33.032, 308.760



64, 33.032, 358.760

Sweetspot

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



64, 33.033, 128.761



84, 12.046, 129.885



59, 20.425, 74.636



44, 8.206, 129.825



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, 33.033, 128.761



81, 49.056, 128.402



62, 37.187, 142.907



34, 5.459, 129.927



54, 72.351, 128.867



4, 8.592, 131.794

Inverse Universe

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



51, 34.495, 311.885



61, 51.780, 312.268



53, 37.166, 327.188



32, 5.527, 310.688



23, 81.303, 312.955



1, 8.411, 308.550

Previews

White Background



This preview shows how the CIELCh color 64, 33.032, 128.760 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, 33.032, 128.760 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

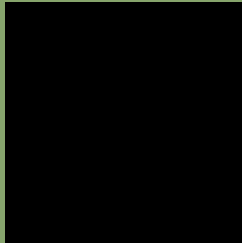
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 33.032, 128.760

Background



This preview shows how black text looks on a background with the CIELCh color 64, 33.032, 128.760.



This preview shows how white text looks on a background with the CIELCh color 64, 33.032, 128.760.

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

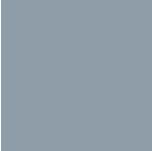
64, 33.032, 128.760

Protanopia

64, 28.628, 95.785

Deuteranopia

64, 25.325, 71.347



Tritanopia
64, 8.290, 253.174

Trichromacy



Original Color
64, 33.032, 128.760

Protanomaly
64, 28.505, 108.774

Deuteranomaly
64, 24.222, 96.400

Tritanomaly
64, 10.603, 155.493

Monochromacy



Original Color
64, 33.032, 128.760

Achromatopsia
62, 0.008, 296.813

Achromatomaly
63, 12.513, 129.321

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 33.032, 128.760 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(134, 164, 108)` looks like.

```
.text, #text, p{  
    color:rgb(134, 164, 108)  
}
```

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(134, 164, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 164, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 33.032, 128.760 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(134, 164, 108) }
```

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

```
.border{ border-color:rgb(134, 164, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 164, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 164, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 164, 108);  
box-shadow:4px 4px 4px 4px rgb(134, 164,  
108) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 33.032, 128.760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 164, 108) }
```

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

```
.background{ background-color: rgb(134,  
164, 108) }
```

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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