

Converting Colors

CIELCh(64, 51.296, 120.001)

Have a look what the booklet for
CIELCh(64, 51.296, 120.001)
contains.

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Color

CIELCh(64, 51.296, 120.001)

Conversions

Conversions Part 1

Format	Color
Hex	87A648
RGB	135, 166, 72
RGB Percent	53%, 65%, 28%
CMY	0.4714, 0.3498, 0.7184
CMYK	0.19, 0.00, 0.57, 0.35
HSL	80°, 40%, 47%
HSV	80°, 57%, 65%
XYZ	24.7247, 32.8017, 11.1279
YIQ	146.0150, 11.6980, -35.8060

Conversions

Conversions Part 2

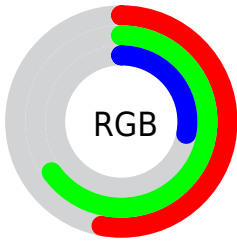
Format	Color
RYB	72, 166, 103
Decimal	8889928
CIELab	64.00, -25.65, 44.42
CIELCh	64, 51.296, 120.001
Yxy	32.8017, 0.3601, 0.4778
Android (android.graphics.Color)	4287080008 (0xFF87A648)
YUV	146.0150, -36.4894, -9.6602
Hunter-Lab	57.2727, -23.1688, 28.5710

Details

The CIELCh color **64, 51.296, 120.001** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **38, 57.887, 306.963**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 50.990, 120.089**, and **44, 51.267, 120.259** is the 20% darker color. If you saturate the color by 10%, you get **63, 58.929, 119.746**, and if you desaturate by 10%, it is **65, 42.918, 120.418**.

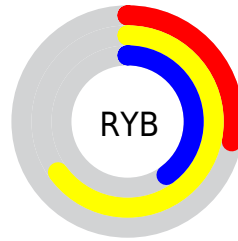
Distribution



Red (53%)

Green (65%)

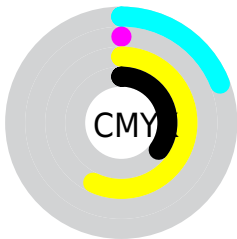
Blue (28%)



Red (28%)

Yellow (65%)

Blue (40%)

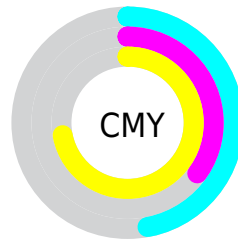


Cyan (19%)

Magenta (0%)

Yellow (57%)

Black (35%)



Cyan (47%)


Magenta (35%)


Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 51.296, 120.001 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, 51.296, 120.001 by changing the saturation by 10% instead.


 64, 51.296,
120.001


 64, 51.296,
120.001


 100, 51.296,
120.001


 54, 51.296,
120.001


 84, 51.296,
120.001

 44, 51.296,
120.001

 94, 51.296,
120.001

 34, 51.296,
120.001

 24, 51.296,
120.001

 14, 51.296,
120.001

 4, 51.296, 120.001

 0, 51.296, 120.001

■ 64, 51.296,
120.001

■ 64, 51.296,
120.001

■ 63, 58.929,
119.746

■ 65, 42.918,
120.418

■ 63, 65.449,
119.742

■ 65, 34.065,
120.921

■ 63, 70.454,
120.101

■ 66, 24.926,
121.467

■ 62, 73.738,
120.888

■ 67, 15.629,
122.023

■ 62, 74.686,
121.169

■ 67, 6.262, 122.574

■ 68, 3.115, 303.074

■ 69, 12.460,
303.583

■ 70, 21.743,
304.049

■ 71, 30.939,
304.481

Harmonies

Complementary

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



64, 51.296, 120.001



38, 57.887, 306.963

Rectangle

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



64, 51.296, 120.001



64, 51.296, 170.001



64, 51.296, 300.001



64, 51.296, 350.001

Sweetspot

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



64, 51.297, 120.003



85, 19.802, 121.988



49, 35.790, 50.498



45, 13.346, 121.881



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



64, 51.297, 120.003



81, 74.149, 119.716



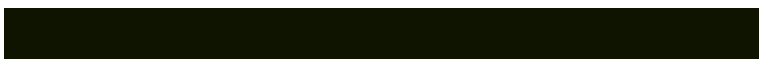
61, 58.701, 135.912



35, 5.368, 122.431



56, 68.608, 121.027



5, 9.958, 125.744

Inverse Universe

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



38, 57.887, 306.963



43, 86.602, 307.955



44, 59.696, 321.616



33, 5.463, 303.428



19, 85.875, 308.906



1, 9.764, 301.194

Previews

White Background



This preview shows how the CIELCh color 64, 51.296, 120.001 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, 51.296, 120.001 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, 51.296, 120.001

Background



This preview shows how black text looks on a background with the CIELCh color 64, 51.296, 120.001.



This preview shows how white text looks on a background with the CIELCh color 64, 51.296, 120.001.

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](#).

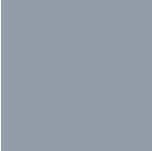
Dichromacy



Original Color
64, 51.296, 120.001

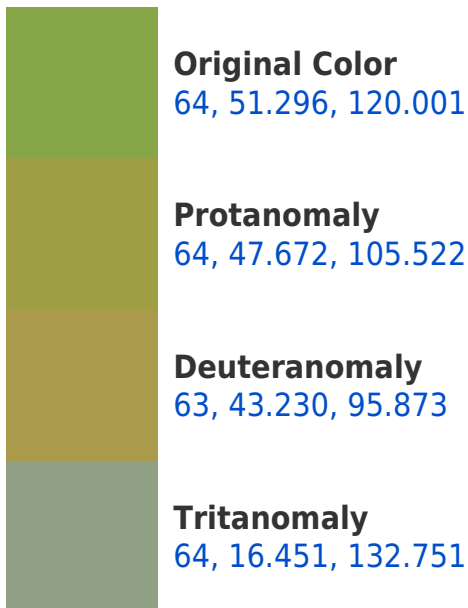
Protanopia
64, 47.094, 95.650

Deuteranopia
64, 43.469, 79.110

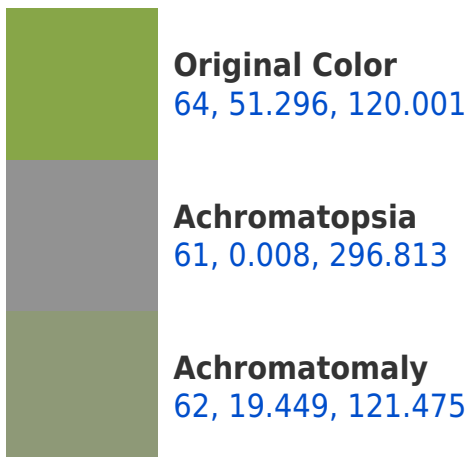


Tritanopia
64, 7.389, 264.457

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 51.296, 120.001 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(135, 166, 72)` looks like.

```
.text, #text, p{  
    color:rgb(135, 166, 72)  
}
```

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(135, 166, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 166, 72) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 51.296, 120.001 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(135, 166, 72) }
```

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

```
.border{ border-color:rgb(135, 166, 72) }
```

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

Here you see how a box with a 4 pixel rgb(135, 166, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 166, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 166, 72);  
box-shadow:4px 4px 4px 4px rgb(135, 166,  
72) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 51.296, 120.001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 166, 72) }
```

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

```
.background{ background-color: rgb(135,  
166, 72) }
```

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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