

Converting Colors

CIELCh(64, 40.276, 150.978)

Have a look what the booklet for
CIELCh(64, 40.276, 150.978)
contains.

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Color

CIELCh(64, 40.408, 150.947)

Conversions

Conversions Part 1

Format	Color
Hex	5FAB77
RGB	95, 171, 119
RGB Percent	37%, 67%, 47%
CMY	0.6282, 0.3302, 0.5340
CMYK	0.44, 0.00, 0.30, 0.33
HSL	139°, 31%, 52%
HSV	139°, 44%, 67%
XYZ	22.5438, 32.8017, 22.5379
YIQ	142.3480, -28.6040, -32.2840

Conversions

Conversions Part 2

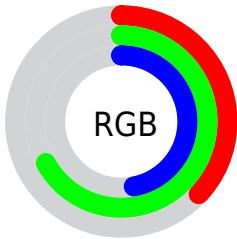
Format	Color
RYB	95, 153, 171
Decimal	6269815
CIELab	64.00, -35.32, 19.62
CIELCh	64, 40.408, 150.947
Yxy	32.8017, 0.2895, 0.4212
Android (android.graphics.Color)	4284459895 (0xFF5FAB77)
YUV	142.3480, -11.5106, -41.5242
Hunter-Lab	57.2727, -29.9657, 16.7592

Details

The CIELCh color $64, 40.408, 150.947$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $51, 40.914, 338.354$, and the grayscale version is $59, 0.008, 296.813$.

A 20% lighter version of the original color is $84, 40.703, 150.712$, and $44, 40.362, 150.820$ is the 20% darker color. If you saturate the color by 10%, you get $63, 48.787, 149.660$, and if you desaturate by 10%, it is $65, 31.597, 152.069$.

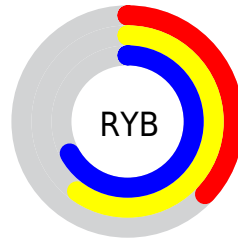
Distribution



Red (37%)

Green (67%)

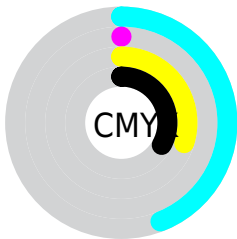
Blue (47%)



Red (37%)

Yellow (60%)

Blue (67%)

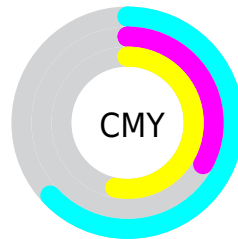


Cyan (44%)

Magenta (0%)

Yellow (30%)

Black (33%)



Cyan (63%)

Magenta (33%)


Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 40.408, 150.947 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, 40.408, 150.947 by changing the saturation by 10% instead.

 64, 40.408,
150.947


 64, 40.408,
150.947

 100, 40.408,
150.947


 54, 40.408,
150.947


 84, 40.408,
150.947

 44, 40.408,
150.947

 94, 40.408,
150.947

 34, 40.408,
150.947

 24, 40.408,
150.947

 14, 40.408,
150.947

 4, 40.408, 150.947

 0, 40.408, 150.947

■ 64, 40.408,
150.947

■ 64, 40.408,
150.947

■ 63, 48.787,
149.660

■ 65, 31.597,
152.069

■ 62, 56.563,
148.194

■ 66, 22.515,
153.048

■ 62, 63.579,
146.543

■ 68, 13.310,
153.908

■ 61, 69.713,
144.723

■ 69, 4.104, 154.705

■ 61, 74.893,
142.781

■ 71, 5.007, 335.227

■ 61, 77.426,
141.767

■ 73, 13.953,
335.849

■ 75, 22.684,
336.379

■ 77, 31.170,
336.851

■ 79, 39.393,
337.279

Harmonies

Complementary

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



64, 40.408, 150.947



51, 40.914, 338.354

Rectangle

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



64, 40.408, 150.947



64, 40.408, 200.947



64, 40.408, 330.947



64, 40.408, 20.947

Sweetspot

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



64, 40.409, 150.947



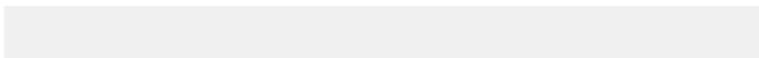
86, 14.762, 154.010



67, 41.766, 119.291



46, 10.419, 153.835



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



64, 40.409, 150.947



80, 58.752, 149.736



65, 27.327, 178.982



35, 5.123, 154.322



53, 69.240, 142.025



5, 9.635, 153.179

Inverse Universe

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



51, 40.914, 338.354



61, 59.218, 339.257



49, 33.001, 8.924



33, 5.151, 335.533



32, 61.095, 345.663



2, 8.832, 338.254

Previews

White Background



This preview shows how the CIELCh color 64, 40.408, 150.947 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 64, 40.408, 150.947 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, 40.408, 150.947

Background



This preview shows how black text looks on a background with the CIELCh color 64, 40.408, 150.947.



This preview shows how white text looks on a background with the CIELCh color 64, 40.408, 150.947.

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, 40.408, 150.947

Protanopia

64, 24.313, 95.409

Deuteranopia

64, 19.138, 63.951



Tritanopia
64, 19.380, 221.991

Trichromacy



Original Color
64, 40.408, 150.947



Protanomaly
63, 26.639, 125.385



Deuteranomaly
63, 19.045, 116.779



Tritanomaly
64, 22.658, 183.109

Monochromacy



Original Color
64, 40.408, 150.947



Achromatopsia
59, 0.008, 296.813



Achromatomaly
60, 14.649, 154.364

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 40.408, 150.947 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(95, 171, 119)` looks like.

```
.text, #text, p{  
    color:rgb(95, 171, 119)  
}
```

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(95, 171, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 171, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 40.408, 150.947 is called "border". The border property can be set on classes, ids or directly on the HTML element.

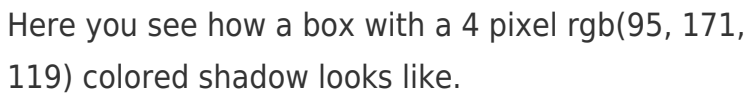
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(95, 171, 119) }
```

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

```
.border{ border-color:rgb(95, 171, 119) }
```

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



Here you see how a box with a 4 pixel `rgb(95, 171, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(95, 171, 119); -webkit-box-shadow:4px 4px 4px 4px rgb(95, 171, 119); box-shadow:4px 4px 4px 4px rgb(95, 171, 119) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 40.408, 150.947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 171, 119) }
```

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

```
.background{ background-color: rgb(95, 171,  
119) }
```

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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