

Converting Colors

CIELCh(64, 41.119, 115.647)

Have a look what the booklet for
CIELCh(64, 41.119, 115.647)
contains.

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Color

CIELCh(64, 40.944, 115.518)

Conversions

Conversions Part 1

Format	Color
Hex	92A257
RGB	146, 162, 87
RGB Percent	57%, 64%, 34%
CMY	0.4261, 0.3633, 0.6575
CMYK	0.10, 0.00, 0.46, 0.36
HSL	73°, 30%, 49%
HSV	73°, 46%, 64%
XYZ	26.6333, 32.8017, 14.0149
YIQ	148.6660, 14.5390, -26.7170

Conversions

Conversions Part 2

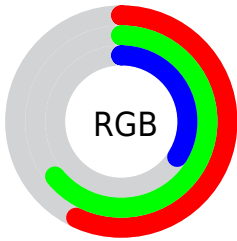
Format	Color
RYB	87, 162, 103
Decimal	9609815
CIELab	64.00, -17.64, 36.95
CIELCh	64, 40.944, 115.518
Yxy	32.8017, 0.3626, 0.4466
Android (android.graphics.Color)	4287799895 (0xFF92A257)
YUV	148.6660, -30.4013, -2.3381
Hunter-Lab	57.2727, -17.2202, 25.5824

Details

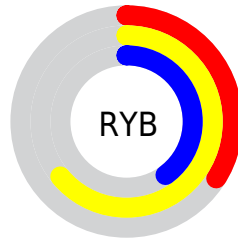
The CIELCh color $64, 40.944, 115.518$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $42, 45.654, 302.572$, and the grayscale version is $62, 0.008, 296.813$.

A 20% lighter version of the original color is $84, 41.202, 115.613$, and $44, 40.872, 115.113$ is the 20% darker color. If you saturate the color by 10%, you get $64, 48.986, 114.991$, and if you desaturate by 10%, it is $65, 32.434, 116.131$.

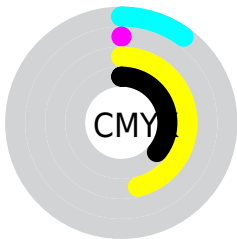
Distribution



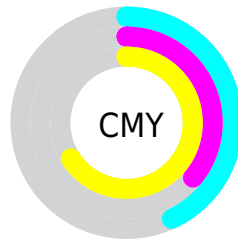
- Red (57%)
- Green (64%)
- Blue (34%)



- Red (34%)
- Yellow (64%)
- Blue (40%)



- Cyan (10%)
- Magenta (0%)
- Yellow (46%)
- Black (36%)





- Cyan (43%)
- Magenta (36%)
- Yellow (66%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 40.944, 115.518 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, 40.944, 115.518 by changing the saturation by 10% instead.


 64, 40.944,
115.518

 64, 40.944,
115.518


 100, 40.944,
115.518


 54, 40.944,
115.518


 84, 40.944,
115.518

 44, 40.944,
115.518

 94, 40.944,
115.518

 34, 40.944,
115.518

 24, 40.944,
115.518

 14, 40.944,
115.518

 4, 40.944, 115.518

 0, 40.944, 115.518

■ 64, 40.944,
115.518

■ 64, 40.944,
115.518

■ 64, 48.986,
114.991

■ 65, 32.434,
116.131

■ 63, 56.290,
114.603

■ 65, 23.636,
116.783

■ 63, 62.499,
114.435

■ 66, 14.673,
117.448

■ 62, 67.210,
114.578

■ 66, 5.626, 118.107

■ 62, 70.191,
115.092

■ 67, 3.447, 298.739

■ 62, 71.141,
115.317

■ 68, 12.510,
299.354

■ 69, 21.532,
299.934

■ 69, 30.494,
300.480

■ 70, 39.380,
300.991

Harmonies

Complementary

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



64, 40.944, 115.518



42, 45.654, 302.572

Rectangle

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



64, 40.944, 115.518



64, 40.944, 165.518



64, 40.944, 295.518



64, 40.944, 345.518

Sweetspot

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



64, 40.945, 115.520



84, 15.732, 117.577



49, 29.081, 39.633



44, 10.943, 117.440



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, 40.945, 115.520



81, 59.499, 114.999



62, 46.104, 133.444



34, 5.147, 117.906



56, 65.568, 115.211



5, 8.093, 120.405

Inverse Universe

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



42, 45.654, 302.572



48, 68.401, 303.719



46, 47.659, 317.648



32, 5.250, 299.133



17, 86.382, 307.512



1, 8.031, 297.730

Previews

White Background



This preview shows how the CIELCh color 64, 40.944, 115.518 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, 40.944, 115.518 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

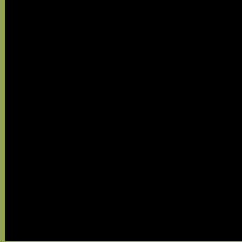
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 40.944, 115.518

Background



This preview shows how black text looks on a background with the CIELCh color 64, 40.944, 115.518.



This preview shows how white text looks on a background with the CIELCh color 64, 40.944, 115.518.

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, 40.944, 115.518

Protanopia
64, 38.649, 96.054

Deuteranopia
64, 36.564, 77.396



Tritanopia
64, 7.365, 299.684

Trichromacy



Original Color
64, 40.944, 115.518

Protanomaly
64, 38.950, 103.981

Deuteranomaly
64, 35.681, 91.975

Tritanomaly
64, 10.676, 117.608

Monochromacy



Original Color
64, 40.944, 115.518

Achromatopsia
62, 0.008, 296.813

Achromatomaly
62, 15.211, 117.726

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 40.944, 115.518 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(146, 162, 87)` looks like.

```
.text, #text, p{  
    color:rgb(146, 162, 87)  
}
```

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(146, 162, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 162, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 40.944, 115.518 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(146, 162, 87) }
```

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

```
.border{ border-color:rgb(146, 162, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 162, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 162, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 162, 87);  
box-shadow:4px 4px 4px 4px rgb(146, 162,  
87) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 40.944, 115.518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 162, 87) }
```

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

```
.background{ background-color: rgb(146,  
162, 87) }
```

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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