

Converting Colors

CIELCh(64, 6.522, 34.659)

Have a look what the booklet for
CIELCh(64, 6.522, 34.659) contains.

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Color

CIELCh(64, 6.522, 34.659)

Conversions

Conversions Part 1

Format	Color
Hex	A89895
RGB	168, 152, 149
RGB Percent	66%, 60%, 58%
CMY	0.3425, 0.4052, 0.4169
CMYK	0.00, 0.10, 0.11, 0.34
HSL	9°, 10%, 62%
HSV	9°, 11%, 66%
XYZ	32.6549, 32.8017, 32.9110
YIQ	156.4420, 10.4990, 2.4590

Conversions

Conversions Part 2

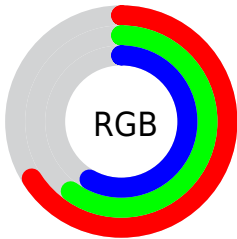
Format	Color
R_{YB}	168, 153, 149
Decimal	11049109
CIE _{Lab}	64.00, 5.36, 3.71
CIE _{LCh}	64, 6.522, 34.659
Yxy	32.8017, 0.3320, 0.3335
Android (android.graphics.Color)	4289239189 (0xFFA89895)
YUV	156.4420, -3.6689, 10.1364
Hunter-Lab	57.2727, 1.5470, 6.0207

Details

The CIELCh color $64, 6.522, 34.659$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $66, 6.069, 214.916$, and the grayscale version is $64, 0.008, 296.813$.

A 20% lighter version of the original color is $84, 6.491, 33.796$, and $44, 6.669, 35.625$ is the 20% darker color. If you saturate the color by 10%, you get $60, 12.794, 34.850$, and if you desaturate by 10%, it is $68, 0.733, 34.070$.

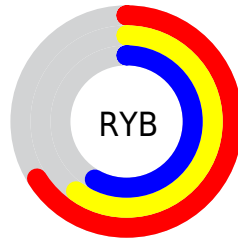
Distribution



Red (66%)

Green (60%)

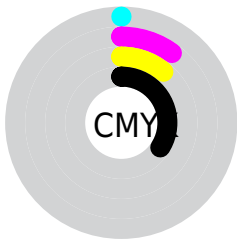
Blue (58%)



Red (66%)

Yellow (60%)

Blue (58%)

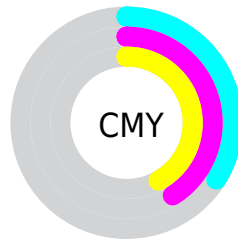


Cyan (0%)

Magenta (10%)

Yellow (11%)

Black (34%)



Cyan (34%)

Magenta (41%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 6.522, 34.659 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, 6.522, 34.659 by changing the saturation by 10% instead.

 64, 6.522, 34.659  64, 6.522, 34.659

 100, 6.522, 34.659  54, 6.522, 34.659

 84, 6.522, 34.659  44, 6.522, 34.659

 94, 6.522, 34.659  34, 6.522, 34.659

 24, 6.522, 34.659

 14, 6.522, 34.659

 4, 6.522, 34.659

 0, 6.522, 34.659

 64, 6.522, 34.659  64, 6.522, 34.659

 60, 12.794, 34.850  68, 0.733, 34.070

56, 19.585, 35.153

72, 4.616, 214.902

52, 26.910, 35.646

77, 9.569, 214.981

48, 34.751, 36.378

81, 14.174,
215.144

45, 43.040, 37.388

85, 18.471,
215.350

42, 51.612, 38.679

39, 60.129, 40.148

90, 22.498,
215.582

37, 67.846, 41.437

94, 25.972,
202.984

36, 73.498, 42.475

95, 27.379,
197.730

Harmonies

Complementary

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



64, 6.522, 34.659



66, 6.069, 214.916

Rectangle

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



64, 6.522, 34.659



64, 6.522, 84.659



64, 6.522, 214.659



64, 6.522, 264.659

Sweetspot

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



64, 6.521, 34.676



85, 2.058, 34.442



64, 11.581, 329.486



45, 1.578, 34.500



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, 6.521, 34.676



79, 10.053, 34.718



66, 7.279, 88.345



33, 3.241, 34.646



32, 66.500, 42.401



2, 5.808, 32.338

Inverse Universe

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



66, 6.069, 214.916



83, 9.171, 214.952



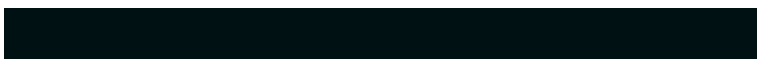
64, 7.255, 271.285



35, 3.058, 214.903



48, 29.018, 225.811



4, 5.541, 220.685

Previews

White Background



This preview shows how the CIELCh color 64, 6.522, 34.659 looks on a white background.

Color Contrast Check

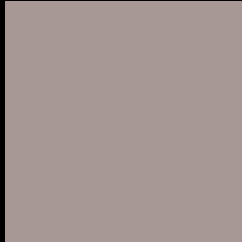
Large Text (above 18pt) WCAG AA × Fail

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, 6.522, 34.659 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

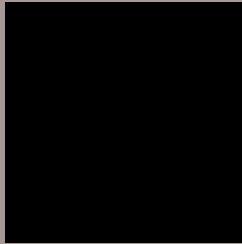
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 6.522, 34.659

Background



This preview shows how black text looks on a background with the CIELCh color 64, 6.522, 34.659.



This preview shows how white text looks on a background with the CIELCh color 64, 6.522, 34.659.

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, 6.522, 34.659

Protanopia

64, 2.940, 68.433

Deuteranopia

64, 8.725, 23.812



Tritanopia
64, 9.550, 340.456

Trichromacy



Original Color
64, 6.522, 34.659

Protanomaly
64, 3.882, 44.989

Deuteranomaly
64, 7.587, 28.430

Tritanomaly
64, 7.743, 354.633

Monochromacy



Original Color
64, 6.522, 34.659

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 2.383, 32.902

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 6.522, 34.659 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(168, 152, 149)` looks like.

```
.text, #text, p{  
    color:rgb(168, 152, 149)  
}
```

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(168, 152, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 152, 149) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 6.522, 34.659 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(168, 152, 149) }
```

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

```
.border{ border-color:rgb(168, 152, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 152, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 152, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 152, 149);  
box-shadow:4px 4px 4px 4px rgb(168, 152,  
149) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 6.522, 34.659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 152, 149) }
```

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

```
.background{ background-color: rgb(168,  
152, 149) }
```

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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