

Converting Colors

CIELCh(64, 8.488, 43.053)

Have a look what the booklet for
CIELCh(64, 8.488, 43.053) contains.

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Color

CIELCh(64, 8.660, 42.581)

Conversions

Conversions Part 1

Format	Color
Hex	AB9791
RGB	171, 151, 145
RGB Percent	67%, 59%, 57%
CMY	0.3297, 0.4081, 0.4317
CMYK	0.00, 0.12, 0.15, 0.33
HSL	14°, 13%, 62%
HSV	14°, 15%, 67%
XYZ	32.9388, 32.8017, 31.3543
YIQ	156.2960, 13.8460, 2.3740

Conversions

Conversions Part 2

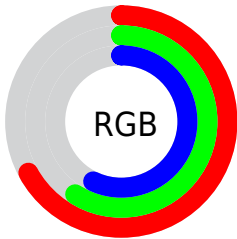
Format	Color
R _Y B	171, 153, 145
Decimal	11245457
CIE Lab	64.00, 6.38, 5.86
CIE LCh	64, 8.660, 42.581
Yxy	32.8017, 0.3392, 0.3378
Android (android.graphics.Color)	4289435537 (0xFFAB9791)
YUV	156.2960, -5.5689, 12.8954
Hunter-Lab	57.2727, 2.4318, 7.6323

Details

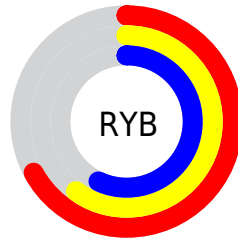
The CIELCh color $64, 8.660, 42.581$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $66, 7.887, 223.893$, and the grayscale version is $64, 0.008, 296.813$.

A 20% lighter version of the original color is $84, 8.824, 40.779$, and $44, 8.789, 40.057$ is the 20% darker color. If you saturate the color by 10%, you get $60, 14.944, 42.424$, and if you desaturate by 10%, it is $68, 2.850, 42.773$.

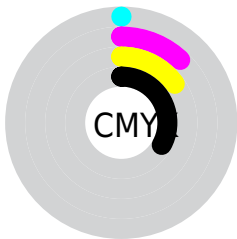
Distribution



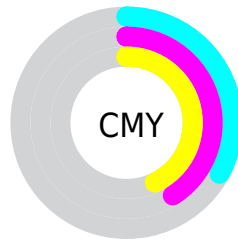
- Red (67%)
- Green (59%)
- Blue (57%)



- Red (67%)
- Yellow (60%)
- Blue (57%)



- Cyan (0%)
- Magenta (12%)
- Yellow (15%)
- Black (33%)



- Cyan (33%)
- Magenta (41%)
- Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 8.660, 42.581 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, 8.660, 42.581 by changing the saturation by 10% instead.

 64, 8.660, 42.581  64, 8.660, 42.581

 100, 8.660, 42.581  54, 8.660, 42.581

 84, 8.660, 42.581  44, 8.660, 42.581

 94, 8.660, 42.581  34, 8.660, 42.581

 24, 8.660, 42.581

 14, 8.660, 42.581

 4, 8.660, 42.581

 0, 8.660, 42.581

 64, 8.660, 42.581  64, 8.660, 42.581

 60, 14.944, 42.424  68, 2.850, 42.773

56, 21.741, 42.365

72, 2.527, 223.489

53, 29.067, 42.457

76, 7.518, 223.776

49, 36.908, 42.730

80, 12.166,
224.199

46, 45.187, 43.191

84, 16.514,
224.658

43, 53.707, 43.797

41, 62.016, 44.367

88, 20.598,
225.134

39, 69.160, 44.460

92, 23.274,
213.717

38, 72.388, 44.691

95, 26.503,
197.783

Harmonies

Complementary

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



64, 8.660, 42.581



66, 7.887, 223.893

Rectangle

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



64, 8.660, 42.581



64, 8.660, 92.581



64, 8.660, 222.581



64, 8.660, 272.581

Sweetspot

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



64, 8.659, 42.595



86, 3.380, 42.773



63, 15.104, 332.054



46, 2.331, 42.771



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, 8.659, 42.595



80, 12.829, 42.533



67, 10.640, 93.079



35, 3.185, 42.719



33, 65.540, 44.879



3, 6.656, 38.127

Inverse Universe

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



66, 7.887, 223.893



83, 11.442, 224.078



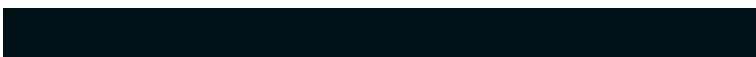
63, 10.699, 276.920



36, 3.014, 223.608



45, 30.185, 241.454



4, 6.391, 232.826

Previews

White Background



This preview shows how the CIELCh color 64, 8.660, 42.581 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, 8.660, 42.581 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

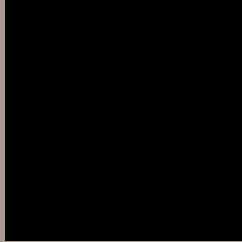
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 8.660, 42.581

Background



This preview shows how black text looks on a background with the CIELCh color 64, 8.660, 42.581.



This preview shows how white text looks on a background with the CIELCh color 64, 8.660, 42.581.

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, 8.660, 42.581

Protanopia

64, 4.842, 85.754

Deuteranopia

64, 10.012, 36.243



Tritanopia
64, 11.114, 347.139

Trichromacy



Original Color
64, 8.660, 42.581

Protanomaly
64, 5.936, 67.900

Deuteranomaly
64, 9.619, 36.885

Tritanomaly
64, 9.026, 2.369

Monochromacy



Original Color
64, 8.660, 42.581

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 2.928, 41.762

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 8.660, 42.581 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(171, 151, 145)` looks like.

```
.text, #text, p{  
    color:rgb(171, 151, 145)  
}
```

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(171, 151, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 151, 145) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 8.660, 42.581 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(171, 151, 145) }
```

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

```
.border{ border-color:rgb(171, 151, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 151, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 151, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 151, 145);  
box-shadow:4px 4px 4px 4px rgb(171, 151,  
145) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 8.660, 42.581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 151, 145) }
```

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

```
.background{ background-color: rgb(171,  
151, 145) }
```

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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