

Converting Colors

CIELCh(65, 2.506, 104.198)

Have a look what the booklet for
CIELCh(65, 2.506, 104.198) contains.

CIELCh(65, 2.787, 101.890)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(65, 2.787, 101.890)

Conversions

Conversions Part 1

Format	Color
Hex	9F9E99
RGB	159, 158, 153
RGB Percent	62%, 62%, 60%
CMY	0.3771, 0.3810, 0.4006
CMYK	0.00, 0.01, 0.04, 0.38
HSL	50°, 3%, 61%
HSV	50°, 4%, 62%
XYZ	32.2014, 34.0472, 34.9419
YIQ	157.7290, 2.2010, -1.3430

Conversions

Conversions Part 2

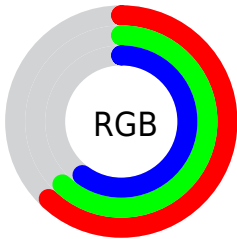
Format	Color
RYB	154, 159, 153
Decimal	10460825
CIELab	65.00, -0.57, 2.73
CIELCh	65, 2.787, 101.890
Yxy	34.0472, 0.3182, 0.3365
Android (android.graphics.Color)	4288650905 (0xFF9F9E99)
YUV	157.7290, -2.3314, 1.1147
Hunter-Lab	58.3500, -3.6042, 5.3401

Details

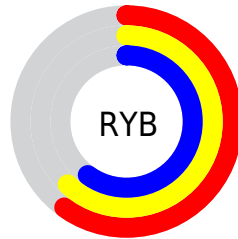
The CIELCh color $65, 2.787, 101.890$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $64, 2.816, 282.815$, and the grayscale version is $65, 0.008, 296.813$.

A 20% lighter version of the original color is $85, 3.155, 103.240$, and $45, 2.993, 101.732$ is the 20% darker color. If you saturate the color by 10%, you get $64, 10.222, 100.858$, and if you desaturate by 10%, it is $66, 4.601, 283.040$.

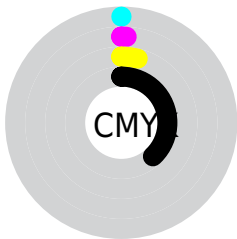
Distribution



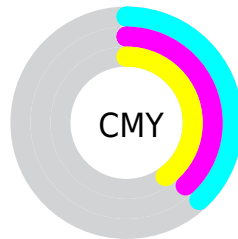
- Red (62%)
- Green (62%)
- Blue (60%)



- Red (60%)
- Yellow (62%)
- Blue (60%)



- Cyan (0%)
- Magenta (1%)
- Yellow (4%)
- Black (38%)



- Cyan (38%)
- Magenta (38%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 2.787, 101.890 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 65, 2.787, 101.890 by changing the saturation by 10% instead.

■ 65, 2.787, 101.890

■ 65, 2.787, 101.890

■ 100, 2.787,
101.890

■ 55, 2.787, 101.890

■ 85, 2.787, 101.890

■ 45, 2.787, 101.890

■ 95, 2.787, 101.890

■ 35, 2.787, 101.890

■ 25, 2.787, 101.890

■ 15, 2.787, 101.890

■ 5, 2.787, 101.890

■ 0, 2.787, 101.890

■ 65, 2.787, 101.890

■ 65, 2.787, 101.890

■ 64, 10.222,

■ 66, 4.601, 283.040

100.858

67, 11.932,
284.040

63, 17.675, 99.743

69, 19.200,
285.009

62, 25.105, 98.604

61, 32.436, 97.451

70, 26.399,
285.934

60, 39.541, 96.294

71, 33.530,
286.814

59, 46.208, 95.139

58, 52.110, 93.991

72, 40.592,
287.648

57, 56.785, 92.838

73, 42.796,
287.172

57, 59.736, 91.653

74, 41.368,
285.654

75, 39.969,
284.036

Harmonies

Complementary

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



65, 2.787, 101.890



64, 2.816, 282.815

Rectangle

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



65, 2.787, 101.890



65, 2.787, 151.890



65, 2.787, 281.890



65, 2.787, 331.890

Sweetspot

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



65, 2.788, 101.918



83, 0.907, 102.098



64, 2.388, 5.967



44, 0.519, 102.094



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



65, 2.788, 101.918



82, 4.578, 101.787



65, 3.413, 122.866



33, 2.499, 101.741



51, 56.514, 91.032



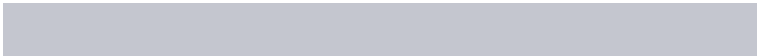
3, 5.293, 100.664

Inverse Universe

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



64, 2.816, 282.815



80, 4.625, 282.953



63, 3.451, 303.233



32, 2.525, 283.003



18, 77.357, 302.970



1, 5.516, 282.837

Previews

White Background



This preview shows how the CIELCh color 65, 2.787, 101.890 looks on a white background.

Color Contrast Check

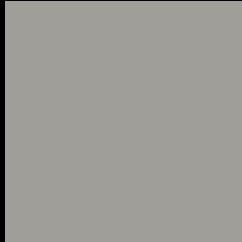
Large Text (above 18pt) WCAG AA × Fail

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 65, 2.787, 101.890 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

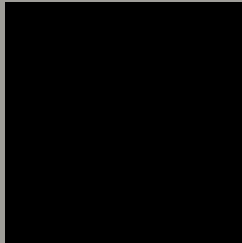
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

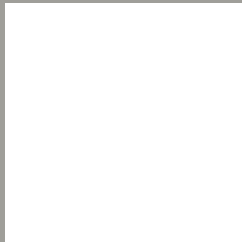
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 65, 2.787, 101.890

Background



This preview shows how black text looks on a background with the CIELCh color 65, 2.787, 101.890.



This preview shows how white text looks on a background with the CIELCh color 65, 2.787, 101.890.

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

65, 2.787, 101.890

Protanopia

65, 3.368, 74.593

Deuteranopia

65, 8.693, 12.890



Tritanopia
65, 6.960, 306.436

Trichromacy



Original Color
65, 2.787, 101.890

Protanomaly
65, 3.161, 80.414

Deuteranomaly
65, 5.455, 19.832

Tritanomaly
65, 3.022, 312.565

Monochromacy



Original Color
65, 2.787, 101.890

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 1.101, 110.011

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 2.787, 101.890 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(159, 158, 153)` looks like.

```
.text, #text, p{  
    color:rgb(159, 158, 153)  
}
```

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(159, 158, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 158, 153) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 2.787, 101.890 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(159, 158, 153) }
```

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

```
.border{ border-color:rgb(159, 158, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 158, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 158, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 158, 153);  
box-shadow:4px 4px 4px 4px rgb(159, 158,  
153) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 2.787, 101.890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 158, 153) }
```

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

```
.background{ background-color: rgb(159,  
158, 153) }
```

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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