

Converting Colors

CIELCh(50, 0.858, 345.697)

Have a look what the booklet for
CIELCh(50, 0.858, 345.697) contains.

CIELCh(50, 1.005, 343.503)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	19
<i>Color Blindness Simulation</i>	22
<i>CSS Examples</i>	25

Color

CIELCh(50, 1.005, 343.503)

Conversions

Conversions Part 1

Format	Color
Hex	787677
RGB	120, 118, 119
RGB Percent	47%, 46%, 47%
CMY	0.5278, 0.5356, 0.5317
CMYK	0.00, 0.02, 0.01, 0.53
HSL	330°, 1%, 47%
HSV	330°, 2%, 47%
XYZ	17.6849, 18.4187, 20.2060
YIQ	118.7120, 0.8710, 0.7350

Conversions

Conversions Part 2

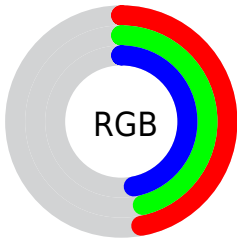
Format	Color
R_{YB}	120, 118, 119
Decimal	7894647
CIE Lab	50.00, 0.96, -0.29
CIE LCh	50, 1.005, 343.503
Yxy	18.4187, 0.3141, 0.3271
Android (android.graphics.Color)	4286084727 (0xFF787677)
YUV	118.7120, 0.1420, 1.1296
Hunter-Lab	42.9170, -1.5498, 2.1271

Details

The CIELCh color $50, 1.005, 343.503$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $50, 0.993, 163.834$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $70, 0.942, 343.359$, and $30, 1.098, 343.674$ is the 20% darker color. If you saturate the color by 10%, you get $46, 7.112, 344.580$, and if you desaturate by 10%, it is $54, 4.938, 163.127$.

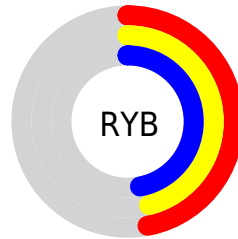
Distribution



Red (47%)

Green (46%)

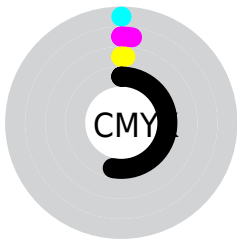
Blue (47%)



Red (47%)

Yellow (46%)

Blue (47%)

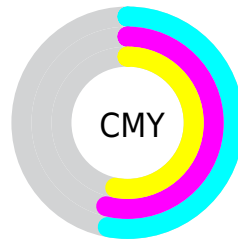


Cyan (0%)

Magenta (2%)

Yellow (1%)

Black (53%)



Cyan (53%)

Magenta (54%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 1.005, 343.503 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 50, 1.005, 343.503 by changing the saturation by 10% instead.

■ 50, 1.005, 343.503

■ 50, 1.005, 343.503

■ 100, 1.005,
343.503

■ 40, 1.005, 343.503

■ 70, 1.005, 343.503

■ 30, 1.005, 343.503

■ 80, 1.005, 343.503

■ 20, 1.005, 343.503

■ 90, 1.005, 343.503

■ 10, 1.005, 343.503

■ 0, 1.005, 343.503

■ 50, 1.005, 343.503

■ 50, 1.005, 343.503

■ 46, 7.112, 344.580

■ 54, 4.938, 163.127

■ 43, 13.340,
345.492

■ 57, 10.691,
162.417

40, 19.608,
346.499

61, 16.249,
161.779

36, 25.789,
347.638

65, 21.613,
161.192

34, 31.696,
348.955

68, 26.792,
160.647

31, 37.085,
350.514

72, 31.797,
160.140

29, 41.665,
352.404

76, 36.641,
159.666

27, 45.155,
354.741

79, 41.336,
159.222

26, 47.377,
357.669

83, 45.893,
158.806

Harmonies

Complementary

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



50, 1.005, 343.503



50, 0.993, 163.834

Rectangle

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



50, 1.005, 343.503



50, 1.005, 33.503



50, 1.005, 163.503



50, 1.005, 213.503

Sweetspot

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



50, 1.004, 343.531



64, 0.008, 296.813



50, 1.247, 309.072



34, 0.005, 296.813



83, 0.010, 296.813

Same Dimension

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



50, 1.004, 343.531



63, 1.490, 343.613



50, 0.807, 19.031



25, 0.690, 343.567



26, 50.108, 0.506



54, 83.983, 2.972

Inverse Universe

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



50, 1.004, 343.531



63, 1.490, 343.613



50, 0.798, 199.794



25, 0.690, 343.567



26, 50.108, 0.506



54, 83.983, 2.972

Previews

White Background



This preview shows how the CIELCh color 50, 1.005, 343.503 looks on a white 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 × Fail

Black Background



This preview shows how the CIE LCh color 50, 1.005, 343.503 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

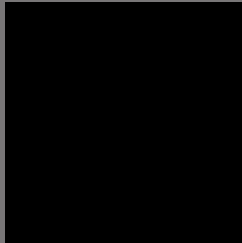
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

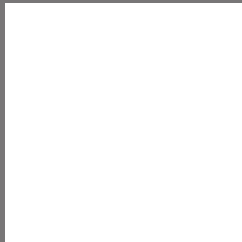
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 1.005, 343.503

Background



This preview shows how black text looks on a background with the CIELCh color 50, 1.005, 343.503.



This preview shows how white text looks on a background with the CIELCh color 50, 1.005, 343.503.

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

50, 1.005, 343.503

Protanopia

50, 1.352, 353.669

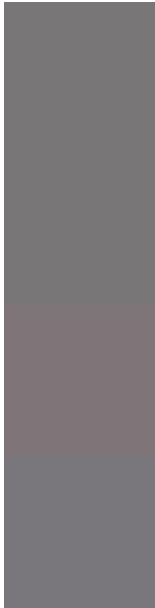
Deuteranopia

50, 6.777, 354.699



Tritanopia
50, 6.207, 309.390

Trichromacy



Original Color

50, 1.005, 343.503

Protanomaly

50, 1.352, 353.669

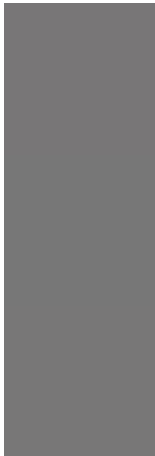
Deuteranomaly

50, 5.050, 352.407

Tritanomaly

50, 3.726, 309.249

Monochromacy



Original Color

50, 1.005, 343.503

Achromatopsia

50, 0.007, 296.813

Achromatomaly

50, 0.403, 18.515

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 1.005, 343.503 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(120, 118, 119)` looks like.

```
.text, #text, p{  
    color:rgb(120, 118, 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(120, 118, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 118, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 1.005, 343.503 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(120, 118, 119) }
```

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

```
.border{ border-color:rgb(120, 118, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 118, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 118, 119); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 118, 119); box-shadow:4px 4px 4px 4px rgb(120, 118, 119) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 1.005, 343.503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 118, 119) }
```

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

```
.background{ background-color: rgb(120,  
118, 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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