

Converting Colors

CIELCh(50, 7.998, 343.172)

Have a look what the booklet for
CIELCh(50, 7.998, 343.172) contains.

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Color

CIELCh(50, 7.666, 342.766)

Conversions

Conversions Part 1

Format	Color
Hex	82737B
RGB	130, 115, 123
RGB Percent	51%, 45%, 48%
CMY	0.4904, 0.5492, 0.5179
CMYK	0.00, 0.12, 0.05, 0.49
HSL	328°, 6%, 48%
HSV	328°, 12%, 51%
XYZ	18.8932, 18.4187, 21.2798
YIQ	120.3970, 6.3720, 5.6680

Conversions

Conversions Part 2

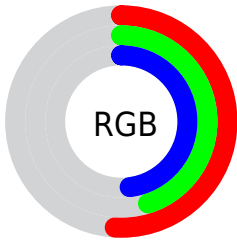
Format	Color
R_{YB}	130, 115, 123
Decimal	8549243
CIE Lab	50.00, 7.32, -2.27
CIE LCh	50, 7.666, 342.766
Yxy	18.4187, 0.3225, 0.3144
Android (android.graphics.Color)	4286739323 (0xFF82737B)
YUV	120.3970, 1.2833, 8.4218
Hunter-Lab	42.9170, 3.4757, 0.6438

Details

The CIELCh color **50, 7.666, 342.766** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **53, 7.569, 161.029**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 7.488, 344.321**, and **30, 7.642, 344.978** is the 20% darker color. If you saturate the color by 10%, you get **46, 14.432, 343.653**, and if you desaturate by 10%, it is **54, 1.015, 341.736**.

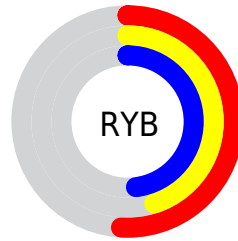
Distribution



Red (51%)

Green (45%)

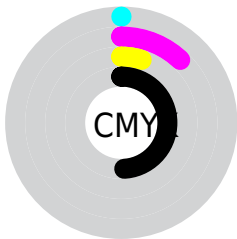
Blue (48%)



Red (51%)

Yellow (45%)

Blue (48%)

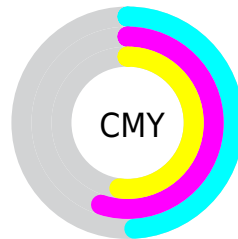


Cyan (0%)

Magenta (12%)

Yellow (5%)

Black (49%)



Cyan (49%)

Magenta (55%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 7.666, 342.766 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, 7.666, 342.766 by changing the saturation by 10% instead.

■ 50, 7.666, 342.766

■ 50, 7.666, 342.766

■ 100, 7.666,
342.766

■ 40, 7.666, 342.766

■ 70, 7.666, 342.766

■ 30, 7.666, 342.766

■ 80, 7.666, 342.766

■ 20, 7.666, 342.766

■ 90, 7.666, 342.766

■ 10, 7.666, 342.766

■ 0, 7.666, 342.766

■ 50, 7.666, 342.766

■ 50, 7.666, 342.766

■ 46, 14.432,
343.653

■ 54, 1.015, 341.736

■ 43, 21.227,
344.620

■ 58, 5.462, 161.348

■ 61, 11.741,

39, 27.906,
345.707

160.652

36, 34.262,
346.954

65, 17.813,
160.025

34, 40.022,
348.419

69, 23.678,
159.445

31, 44.866,
350.182

73, 29.345,
158.906

29, 48.486,
352.354

77, 34.826,
158.402

28, 50.687,
355.067

81, 40.132,
157.932

27, 51.952,
357.633

85, 45.278,
157.491

Harmonies

Complementary

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



50, 7.666, 342.766



53, 7.569, 161.029

Rectangle

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



50, 7.666, 342.766



50, 7.666, 32.766



50, 7.666, 162.766



50, 7.666, 212.766

Sweetspot

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



50, 7.664, 342.770



68, 2.441, 341.993



49, 9.256, 308.406



35, 1.842, 342.076



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



50, 7.664, 342.770



62, 11.518, 343.009



50, 6.193, 17.377



25, 3.676, 342.559



27, 51.259, 357.555



0, 0.000, 0.000

Inverse Universe

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



50, 7.664, 342.770



62, 11.518, 343.009



53, 5.797, 196.002



25, 3.676, 342.559



27, 51.259, 357.555



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 50, 7.666, 342.766 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 50, 7.666, 342.766 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

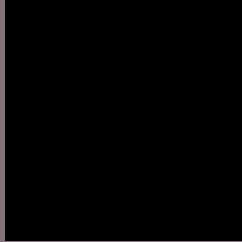
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 7.666, 342.766

Background



This preview shows how black text looks on a background with the CIELCh color 50, 7.666, 342.766.



This preview shows how white text looks on a background with the CIELCh color 50, 7.666, 342.766.

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, 7.666, 342.766

Protanopia

50, 4.127, 296.194

Deuteranopia

50, 7.349, 340.772



Tritanopia
50, 8.027, 339.443

Trichromacy



Original Color

50, 7.666, 342.766

Protanomaly

50, 4.771, 320.709

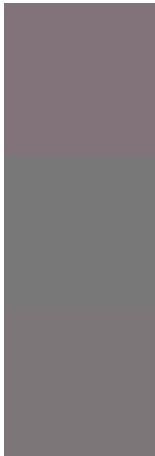
Deuteranomaly

50, 7.349, 340.772

Tritanomaly

50, 8.027, 339.443

Monochromacy



Original Color

50, 7.666, 342.766

Achromatopsia

50, 0.007, 296.813

Achromatomaly

50, 3.001, 343.935

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 7.666, 342.766 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(130, 115, 123)` looks like.

```
.text, #text, p{  
    color:rgb(130, 115, 123)  
}
```

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(130, 115, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 115, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 7.666, 342.766 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(130, 115, 123) }
```

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

```
.border{ border-color:rgb(130, 115, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 115, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 115, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 115, 123);  
box-shadow:4px 4px 4px 4px rgb(130, 115,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 7.666, 342.766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 115, 123) }
```

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

```
.background{ background-color: rgb(130,  
115, 123) }
```

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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