

Converting Colors

CIELCh(63, 23.405, 156.249)

Have a look what the booklet for
CIELCh(63, 23.405, 156.249)
contains.

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Color

CIELCh(63, 23.540, 155.877)

Conversions

Conversions Part 1

Format	Color
Hex	75A387
RGB	117, 163, 135
RGB Percent	46%, 64%, 53%
CMY	0.5423, 0.3620, 0.4717
CMYK	0.28, 0.00, 0.17, 0.36
HSL	143°, 20%, 55%
HSV	143°, 28%, 64%
XYZ	24.6908, 31.5869, 27.6076
YIQ	146.0540, -18.4280, -18.4600

Conversions

Conversions Part 2

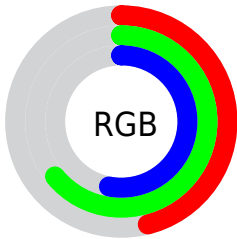
Format	Color
RYB	117, 150, 163
Decimal	7709575
CIELab	63.00, -21.48, 9.62
CIElCh	63, 23.540, 155.877
Yxy	31.5869, 0.2943, 0.3765
Android (android.graphics.Color)	4285899655 (0xFF75A387)
YUV	146.0540, -5.4496, -25.4804
Hunter-Lab	56.2022, -19.9352, 10.2172

Details

The CIELCh color $63, 23.540, 155.877$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $54, 23.990, 340.462$, and the grayscale version is $60, 0.008, 296.813$.

A 20% lighter version of the original color is $83, 23.600, 155.710$, and $43, 23.643, 155.604$ is the 20% darker color. If you saturate the color by 10%, you get $62, 31.662, 154.812$, and if you desaturate by 10%, it is $64, 15.242, 156.816$.

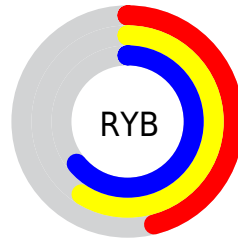
Distribution



Red (46%)

Green (64%)

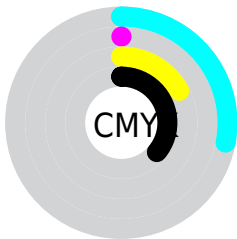
Blue (53%)



Red (46%)

Yellow (59%)

Blue (64%)

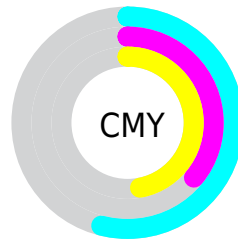


Cyan (28%)

Magenta (0%)

Yellow (17%)

Black (36%)



Cyan (54%)


Magenta (36%)


Yellow (47%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 23.540, 155.877 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 63, 23.540, 155.877 by changing the saturation by 10% instead.

 63, 23.540,
155.877


 63, 23.540,
155.877


 100, 23.540,
155.877


 53, 23.540,
155.877


 83, 23.540,
155.877

 43, 23.540,
155.877

 93, 23.540,
155.877

 33, 23.540,
155.877

 23, 23.540,
155.877

 13, 23.540,
155.877

 3, 23.540, 155.877

 0, 23.540, 155.877

63, 23.540,
155.877

63, 23.540,
155.877

62, 31.662,
154.812

64, 15.242,
156.816

61, 39.469,
153.600

66, 6.882, 157.665

60, 46.819,
152.218

67, 1.442, 338.134

69, 9.657, 338.979

60, 53.574,
150.646

71, 17.709,
339.588

59, 59.621,
148.879

72, 25.561,
340.134

59, 64.891,
146.926


74, 33.190,
340.633

58, 69.430,
144.874

76, 40.586,
341.091

58, 70.179,

144.542

 78, 45.771,
338.709

Harmonies

Complementary

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



63, 23.540, 155.877



54, 23.990, 340.462

Rectangle

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



63, 23.540, 155.877



63, 23.540, 205.877



63, 23.540, 335.877



63, 23.540, 25.877

Sweetspot

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



63, 23.541, 155.876



83, 8.249, 157.675



64, 26.258, 123.463



44, 5.913, 157.554



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



63, 23.541, 155.876



79, 34.951, 155.215



64, 16.731, 187.575



34, 4.723, 157.582



53, 64.293, 144.767



4, 7.543, 156.583

Inverse Universe

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



54, 23.990, 340.462



67, 35.727, 341.052



54, 19.348, 12.640



32, 4.759, 338.873



31, 57.912, 351.536



1, 7.054, 340.937

Previews

White Background



This preview shows how the CIELCh color 63, 23.540, 155.877 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 CIELCh color 63, 23.540, 155.877 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

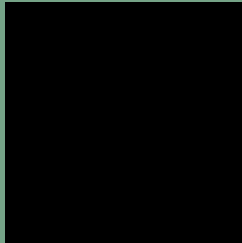
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 23.540, 155.877

Background



This preview shows how black text looks on a background with the CIELCh color 63, 23.540, 155.877.

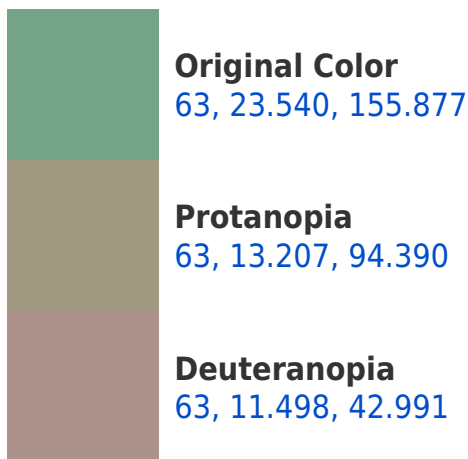


This preview shows how white text looks on a background with the CIELCh color 63, 23.540, 155.877.

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





Tritanopia
63, 13.401, 228.759

Trichromacy



Original Color
63, 23.540, 155.877

Protanomaly
63, 14.728, 127.656

Deuteranomaly
62, 8.361, 109.248

Tritanomaly
63, 14.173, 191.330

Monochromacy



Original Color
63, 23.540, 155.877

Achromatopsia
61, 0.008, 296.813

Achromatomaly
61, 8.685, 158.368

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 23.540, 155.877 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(117, 163, 135)` looks like.

```
.text, #text, p{  
    color:rgb(117, 163, 135)  
}
```

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(117, 163, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 163, 135) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 23.540, 155.877 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(117, 163, 135) }
```

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

```
.border{ border-color:rgb(117, 163, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 163, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 163, 135); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 163, 135); box-shadow:4px 4px 4px 4px rgb(117, 163, 135) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 23.540, 155.877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 163, 135) }
```

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

```
.background{ background-color: rgb(117,  
163, 135) }
```

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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