

Converting Colors

CIELCh(63, 15.802, 228.620)

Have a look what the booklet for
CIELCh(63, 15.802, 228.620)
contains.

CIELCh(63, 15.740, 228.403)	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(63, 15.740, 228.403)

Conversions

Conversions Part 1

Format	Color
Hex	769FAD
RGB	118, 159, 173
RGB Percent	46%, 62%, 68%
CMY	0.5379, 0.3771, 0.3223
CMYK	0.32, 0.08, 0.00, 0.32
HSL	195°, 25%, 57%
HSV	195°, 32%, 68%
XYZ	27.3424, 31.5869, 44.1021
YIQ	148.3370, -28.9300, -4.3380

Conversions

Conversions Part 2

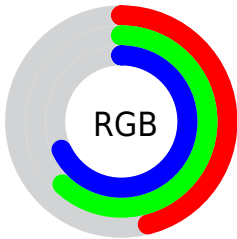
Format	Color
RYB	118, 141, 173
Decimal	7774125
CIELab	63.00, -10.45, -11.77
CIElCh	63, 15.740, 228.403
Yxy	31.5869, 0.2654, 0.3066
Android (android.graphics.Color)	4285964205 (0xFF769FAD)
YUV	148.3370, 12.1589, -26.6055
Hunter-Lab	56.2022, -11.5135, -7.1835

Details

The CIELCh color **63, 15.740, 228.403** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **59, 19.342, 44.830**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 15.569, 227.100**, and **43, 15.819, 227.883** is the 20% darker color. If you saturate the color by 10%, you get **61, 19.934, 229.682**, and if you desaturate by 10%, it is **65, 11.135, 227.418**.

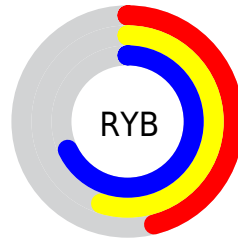
Distribution



Red (46%)

Green (62%)

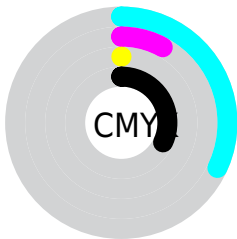
Blue (68%)



Red (46%)

Yellow (55%)

Blue (68%)

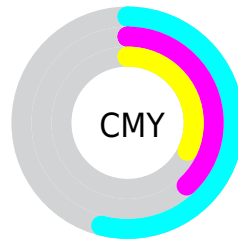


Cyan (32%)

Magenta (8%)

Yellow (0%)

Black (32%)



Cyan (54%)


Magenta (38%)


Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 15.740, 228.403 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, 15.740, 228.403 by changing the saturation by 10% instead.


 63, 15.740,
228.403


 63, 15.740,
228.403


 100, 15.740,
228.403


 53, 15.740,
228.403


 83, 15.740,
228.403

 43, 15.740,
228.403

 93, 15.740,
228.403

 33, 15.740,
228.403

 23, 15.740,
228.403

 13, 15.740,
228.403

 3, 15.740, 228.403

 0, 15.740, 228.403

63, 15.740,
228.403

63, 15.740,
228.403

61, 19.934,
229.682

65, 11.135,
227.418

59, 23.651,
231.338

68, 6.192, 226.695

57, 26.836,
233.450

70, 0.977, 226.529

55, 29.461,
236.107

73, 4.451, 45.513

53, 31.542,
239.392

75, 10.039, 45.259

52, 33.157,
243.351

78, 15.744, 45.051

50, 34.305,
246.918

81, 21.531, 44.903

83, 26.961, 45.164

84, 26.491, 50.893

Harmonies

Complementary

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



63, 15.740, 228.403



59, 19.342, 44.830

Rectangle

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



63, 15.740, 228.403



63, 15.740, 278.403



63, 15.740, 48.403



63, 15.740, 98.403

Sweetspot

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



63, 15.740, 228.399



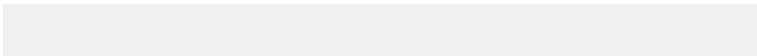
86, 6.503, 226.601



66, 30.988, 149.854



45, 4.417, 226.678



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



63, 15.740, 228.399



78, 22.678, 229.241



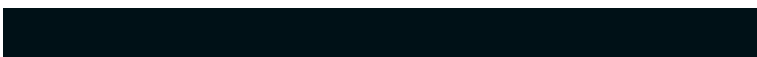
55, 23.957, 281.885



35, 2.991, 226.555



44, 30.880, 246.341



4, 6.392, 236.300

Inverse Universe

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



56, 31.113, 334.662



69, 45.751, 335.178



66, 23.423, 93.398



34, 5.517, 333.075



33, 64.371, 341.390



2, 10.902, 335.865

Previews

White Background



This preview shows how the CIELCh color 63, 15.740, 228.403 looks on a white background.

Color Contrast Check

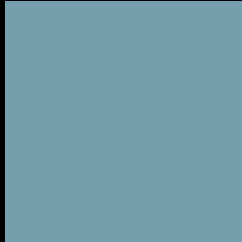
Large Text (above 18pt) WCAG AA × Fail

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 63, 15.740, 228.403 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

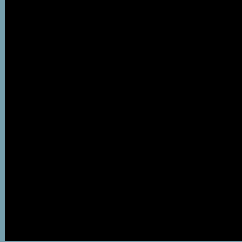
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

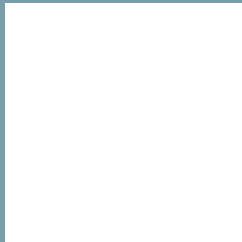
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 63, 15.740, 228.403

Background



This preview shows how black text looks on a background with the CIELCh color 63, 15.740, 228.403.

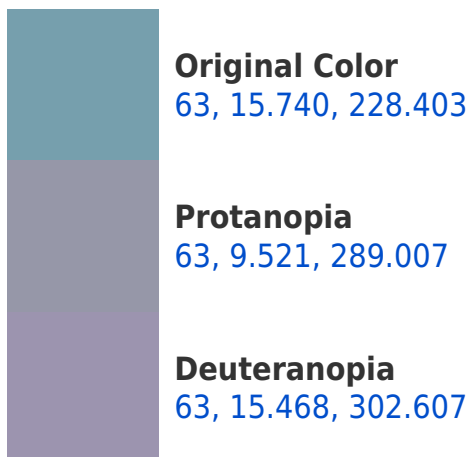



This preview shows how white text looks on a background with the CIELCh color 63, 15.740, 228.403.

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, 15.530, 226.456

Trichromacy



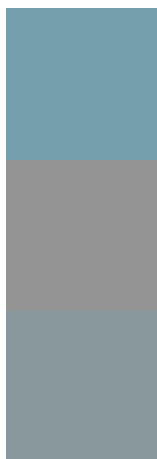
Original Color
63, 15.740, 228.403

Protanomaly
63, 10.486, 258.060

Deuteranomaly
63, 12.731, 275.279

Tritanomaly
63, 15.530, 226.456

Monochromacy



Original Color
63, 15.740, 228.403

Achromatopsia
61, 0.008, 296.813

Achromatomaly
62, 6.166, 226.173

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 15.740, 228.403 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(118, 159, 173)` looks like.

```
.text, #text, p{  
    color:rgb(118, 159, 173)  
}
```

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(118, 159, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 159, 173) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 15.740, 228.403 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(118, 159, 173) }
```

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

```
.border{ border-color:rgb(118, 159, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 159, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 159, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 159, 173);  
box-shadow:4px 4px 4px 4px rgb(118, 159,  
173) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 15.740, 228.403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 159, 173) }
```

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

```
.background{ background-color: rgb(118,  
159, 173) }
```

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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