

Converting Colors

CIELCh(63, 15.522, 236.790)

Have a look what the booklet for
CIELCh(63, 15.522, 236.790)
contains.

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Color

CIELCh(63, 15.492, 236.650)

Conversions

Conversions Part 1

Format	Color
Hex	799EAF
RGB	121, 158, 175
RGB Percent	47%, 62%, 69%
CMY	0.5257, 0.3806, 0.3140
CMYK	0.31, 0.10, 0.00, 0.31
HSL	199°, 25%, 58%
HSV	199°, 31%, 69%
XYZ	27.8256, 31.5869, 45.1565
YIQ	148.8750, -27.5090, -2.5570

Conversions

Conversions Part 2

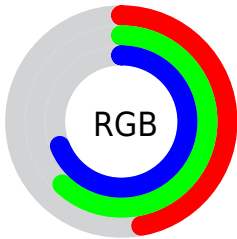
Format	Color
RYB	121, 143, 175
Decimal	7970479
CIELab	63.00, -8.52, -12.94
CIElCh	63, 15.492, 236.650
Yxy	31.5869, 0.2661, 0.3021
Android (android.graphics.Color)	4286160559 (0xFF799EAF)
YUV	148.8750, 12.8796, -24.4464
Hunter-Lab	56.2022, -9.9790, -8.2959

Details

The CIELCh color `63, 15.492, 236.650` is a dark color, and the websafe version is hex `669999`. A complement of this color would be `60, 18.517, 51.373`, and the grayscale version is `62, 0.008, 296.813`.

A 20% lighter version of the original color is `83, 15.523, 236.710`, and `43, 15.624, 236.579` is the 20% darker color. If you saturate the color by 10%, you get `60, 19.895, 238.276`, and if you desaturate by 10%, it is `66, 10.747, 235.355`.

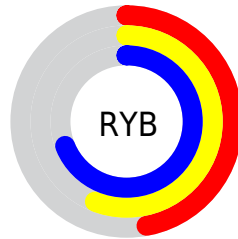
Distribution



Red (47%)

Green (62%)

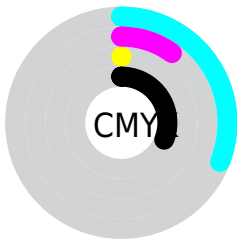
Blue (69%)



Red (47%)

Yellow (56%)

Blue (69%)

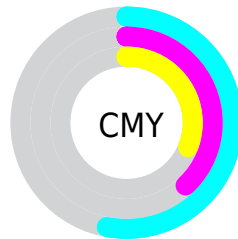


Cyan (31%)

Magenta (10%)

Yellow (0%)

Black (31%)



Cyan (53%)

Magenta (38%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 15.492, 236.650 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, 15.492, 236.650 by changing the saturation by 10% instead.

■ 63, 15.492,
236.650

■ 63, 15.492,
236.650

■ 100, 15.492,
236.650

■ 53, 15.492,
236.650

■ 83, 15.492,
236.650

■ 43, 15.492,
236.650

■ 93, 15.492,
236.650

■ 33, 15.492,
236.650

■ 23, 15.492,
236.650

■ 13, 15.492,
236.650

■ 3, 15.492, 236.650

■ 0, 15.492, 236.650

63, 15.492,
236.650

63, 15.492,
236.650

60, 19.895,
238.276

66, 10.747,
235.355

58, 23.902,
240.321

68, 5.720, 234.355

56, 27.472,
242.866

71, 0.468, 234.415

74, 4.961, 52.703

53, 30.592,
245.995

77, 10.520, 52.225

51, 33.295,
249.772

80, 16.174, 51.820

83, 21.893, 51.489

49, 35.670,
254.208

85, 25.603, 53.853

48, 37.737,
258.599

87, 25.606, 61.455

Harmonies

Complementary

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



63, 15.492, 236.650



60, 18.517, 51.373

Rectangle

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



63, 15.492, 236.650



63, 15.492, 286.650



63, 15.492, 56.650



63, 15.492, 106.650

Sweetspot

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



63, 15.492, 236.646



87, 5.875, 234.215



67, 29.237, 151.811



46, 4.104, 234.332



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



63, 15.492, 236.646



78, 22.491, 237.709



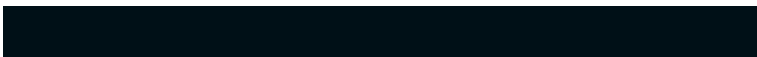
56, 24.913, 284.729



35, 2.968, 234.226



41, 33.561, 257.921



4, 6.492, 244.690

Inverse Universe

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



57, 29.257, 337.137



70, 43.205, 337.704



67, 24.041, 96.842



34, 5.285, 335.489



33, 61.889, 345.613



2, 10.375, 338.934

Previews

White Background



This preview shows how the CIELCh color 63, 15.492, 236.650 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, 15.492, 236.650 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

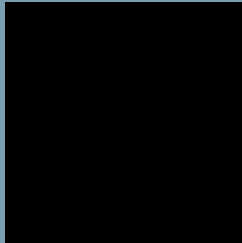
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 15.492, 236.650

Background



This preview shows how black text looks on a background with the CIELCh color 63, 15.492, 236.650.



This preview shows how white text looks on a background with the CIELCh color 63, 15.492, 236.650.

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


63, 15.492, 236.650

Protanopia

63, 10.652, 287.414

Deuteranopia

63, 16.506, 300.701



Tritanopia
63, 14.783, 225.557

Trichromacy



Original Color
63, 15.492, 236.650

Protanomaly
63, 11.262, 262.928

Deuteranomaly
63, 13.726, 278.190

Tritanomaly
63, 14.987, 227.607

Monochromacy



Original Color
63, 15.492, 236.650

Achromatopsia
62, 0.008, 296.813

Achromatomaly
62, 5.814, 234.578

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 15.492, 236.650 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(121, 158, 175)` looks like.

```
.text, #text, p{  
    color:rgb(121, 158, 175)  
}
```

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(121, 158, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 158, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 15.492, 236.650 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(121, 158, 175) }
```

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

```
.border{ border-color:rgb(121, 158, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 158, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 158, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 158, 175);  
box-shadow:4px 4px 4px 4px rgb(121, 158,  
175) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 15.492, 236.650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 158, 175) }
```

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

```
.background{ background-color: rgb(121,  
158, 175) }
```

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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