

Converting Colors

CIELCh(64, 17.242, 236.649)

Have a look what the booklet for
CIELCh(64, 17.242, 236.649)
contains.

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Color

CIELCh(64, 17.242, 236.649)

Conversions

Conversions Part 1

Format	Color
Hex	77A1B4
RGB	119, 161, 180
RGB Percent	47%, 63%, 71%
CMY	0.5325, 0.3678, 0.2933
CMYK	0.34, 0.11, 0.00, 0.29
HSL	199°, 29%, 59%
HSV	199°, 34%, 71%
XYZ	28.6759, 32.8017, 48.1124
YIQ	150.6080, -31.1310, -2.9950

Conversions

Conversions Part 2

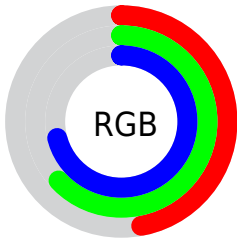
Format	Color
RYB	119, 144, 180
Decimal	7840180
CIELab	64.00, -9.48, -14.40
CIElCh	64, 17.242, 236.649
Yxy	32.8017, 0.2617, 0.2993
Android (android.graphics.Color)	4286030260 (0xFF77A1B4)
YUV	150.6080, 14.4903, -27.7202
Hunter-Lab	57.2727, -10.8540, -9.7161

Details

The CIELCh color $64, 17.242, 236.649$ is a light color, and the websafe version is hex 669999 . A complement of this color would be $61, 21.065, 50.857$, and the grayscale version is $62, 0.008, 296.813$.

A 20% lighter version of the original color is $84, 17.269, 236.505$, and $44, 17.314, 237.082$ is the 20% darker color. If you saturate the color by 10%, you get $61, 21.622, 238.379$, and if you desaturate by 10%, it is $67, 12.489, 235.272$.

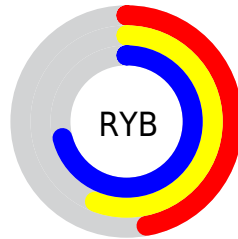
Distribution



Red (47%)

Green (63%)

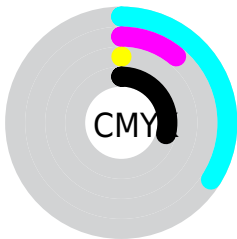
Blue (71%)



Red (47%)

Yellow (56%)

Blue (71%)

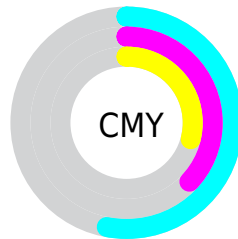


Cyan (34%)

Magenta (11%)

Yellow (0%)

Black (29%)



Cyan (53%)

Magenta (37%)

Yellow (29%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 17.242, 236.649 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 64, 17.242, 236.649 by changing the saturation by 10% instead.

 64, 17.242,
236.649

 64, 17.242,
236.649


 100, 17.242,
236.649


 54, 17.242,
236.649


 84, 17.242,
236.649

 44, 17.242,
236.649

 94, 17.242,
236.649

 34, 17.242,
236.649

 24, 17.242,
236.649

 14, 17.242,
236.649

 4, 17.242, 236.649

 0, 17.242, 236.649

64, 17.242,
236.649

64, 17.242,
236.649

61, 21.622,
238.379

67, 12.489,
235.272

59, 25.575,
240.553

69, 7.424, 234.199

72, 2.108, 233.485

57, 29.066,
243.255

75, 3.406, 52.438

54, 32.092,
246.566

78, 9.069, 51.971

52, 34.704,
250.541

81, 14.840, 51.552

84, 20.688, 51.210

50, 37.012,
255.165

86, 23.713, 54.928

49, 38.410,
258.129

88, 23.822, 63.284

Harmonies

Complementary

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



64, 17.242, 236.649



61, 21.065, 50.857

Rectangle

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



64, 17.242, 236.649



64, 17.242, 286.649



64, 17.242, 56.649



64, 17.242, 106.649

Sweetspot

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



64, 17.241, 236.646



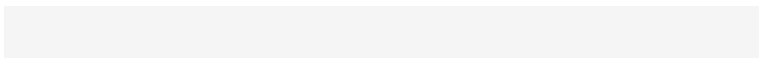
89, 6.692, 233.877



68, 32.804, 151.502



47, 4.549, 233.993



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



64, 17.241, 236.646



79, 25.235, 237.971



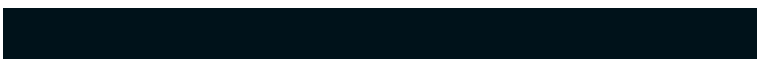
56, 28.125, 285.279



36, 3.040, 233.808



42, 33.821, 257.410



4, 7.635, 245.820

Inverse Universe

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



58, 32.915, 337.243



70, 49.102, 337.915



69, 27.018, 96.475



35, 5.426, 335.354



34, 62.765, 345.404



2, 12.090, 339.400

Previews

White Background



This preview shows how the CIELCh color 64, 17.242, 236.649 looks on a white background.

Color Contrast Check

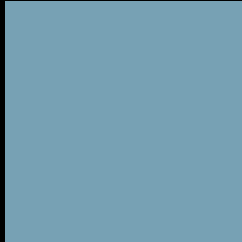
Large Text (above 18pt) WCAG AA × Fail

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 64, 17.242, 236.649 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

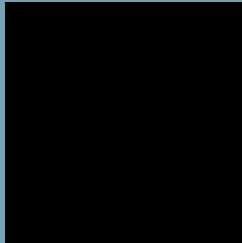
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

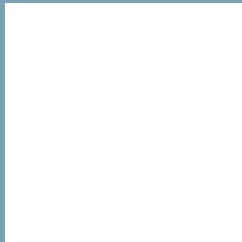
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 17.242, 236.649

Background



This preview shows how black text looks on a background with the CIELCh color 64, 17.242, 236.649.



This preview shows how white text looks on a background with the CIELCh color 64, 17.242, 236.649.

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
64, 16.321, 224.839

Trichromacy



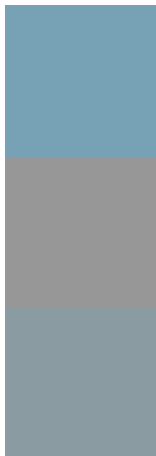
Original Color
64, 17.242, 236.649

Protanomaly
64, 12.990, 264.040

Deuteranomaly
64, 14.986, 275.455

Tritanomaly
64, 16.722, 228.543

Monochromacy



Original Color
64, 17.242, 236.649

Achromatopsia
62, 0.008, 296.813

Achromatomaly
63, 6.972, 233.292

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 17.242, 236.649 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(119, 161, 180)` looks like.

```
.text, #text, p{  
    color:rgb(119, 161, 180)  
}
```

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(119, 161, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 161, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 17.242, 236.649 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(119, 161, 180) }
```

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

```
.border{ border-color:rgb(119, 161, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 161, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(119, 161, 180); -webkit-box-shadow:4px 4px 4px 4px rgb(119, 161, 180); box-shadow:4px 4px 4px 4px rgb(119, 161, 180) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 17.242, 236.649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 161, 180) }
```

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

```
.background{ background-color: rgb(119,  
161, 180) }
```

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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