

Converting Colors

CIELCh(48, 15.360, 244.770)

Have a look what the booklet for
CIELCh(48, 15.360, 244.770)
contains.

CIELCh(48, 15.421, 245.538)	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(48, 15.421, 245.538)

Conversions

Conversions Part 1

Format	Color
Hex	567689
RGB	86, 118, 137
RGB Percent	34%, 46%, 54%
CMY	0.6621, 0.5366, 0.4621
CMYK	0.37, 0.14, 0.00, 0.46
HSL	202°, 23%, 44%
HSV	202°, 37%, 54%
XYZ	14.8796, 16.7945, 26.1902
YIQ	110.5980, -25.1710, -0.8750

Conversions

Conversions Part 2

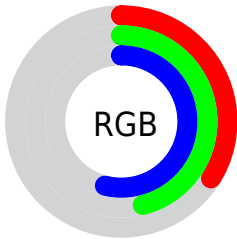
Format	Color
R _Y B	86, 106, 137
Decimal	5666441
CIE Lab	48.00, -6.39, -14.04
CIE LCh	48, 15.421, 245.538
Yxy	16.7945, 0.2571, 0.2902
Android (android.graphics.Color)	4283856521 (0xFF567689)
YUV	110.5980, 13.0162, -21.5724
Hunter-Lab	40.9810, -6.9063, -9.2043




Details

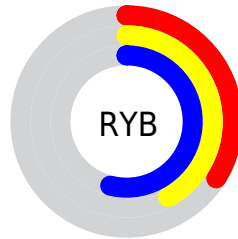
The CIELCh color $48, 15.421, 245.538$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $47, 18.534, 57.335$, and the grayscale version is $47, 0.006, 296.813$.




A 20% lighter version of the original color is $68, 15.193, 245.553$, and $28, 15.287, 244.714$ is the 20% darker color. If you saturate the color by 10%, you get $46, 19.086, 247.625$, and if you desaturate by 10%, it is $50, 11.519, 243.829$.

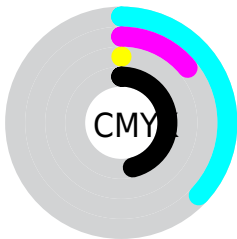
Distribution







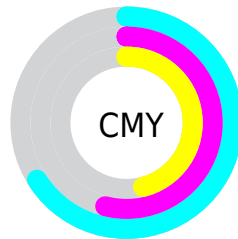
-  Red (34%)
-  Green (46%)
-  Blue (54%)






-  Red (34%)
-  Yellow (42%)
-  Blue (54%)



-  Cyan (37%)
-  Magenta (14%)
-  Yellow (0%)
-  Black (46%)





-  Cyan (66%)
-  Magenta (54%)
-  Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 15.421, 245.538 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 48, 15.421, 245.538 by changing the saturation by 10% instead.


 48, 15.421,
245.538


 48, 15.421,
245.538


 100, 15.421,
245.538


 38, 15.421,
245.538

 68, 15.421,
245.538


 28, 15.421,
245.538

 78, 15.421,
245.538

 18, 15.421,
245.538


 88, 15.421,
245.538

 8, 15.421, 245.538

 98, 15.421,
245.538

 0, 15.421, 245.538

 48, 15.421,

 48, 15.421,

245.538

46, 19.086,
247.625

43, 22.490,
250.172

41, 25.624,
253.246

39, 28.508,
256.899

37, 31.197,
261.136

35, 33.814,
265.776

35, 34.583,
267.017

245.538

50, 11.519,
243.829

53, 7.417, 242.443

55, 3.151, 241.357

58, 1.246, 60.018

60, 5.740, 59.455

63, 10.307, 58.830

66, 14.921, 58.295

68, 19.566, 57.839

71, 24.224, 57.450

Harmonies

Complementary

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



48, 15.421, 245.538



47, 18.534, 57.335

Rectangle

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



48, 15.421, 245.538



48, 15.421, 295.538



48, 15.421, 65.538



48, 15.421, 115.538

Sweetspot

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



48, 15.420, 245.535



69, 5.945, 241.757



53, 27.329, 153.928



36, 3.972, 241.881



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



48, 15.420, 245.535



59, 22.641, 247.353



41, 26.903, 289.229



28, 2.475, 241.543



34, 33.668, 266.836



1, 1.165, 240.563

Inverse Universe

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



43, 27.750, 340.313



52, 41.319, 341.170



54, 25.263, 100.168



27, 4.187, 337.986



28, 54.766, 349.748



0, 1.927, 337.374

Previews

White Background



This preview shows how the CIE LCh color 48, 15.421, 245.538 looks on a white background.

Color Contrast Check

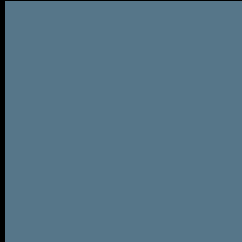
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 48, 15.421, 245.538 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

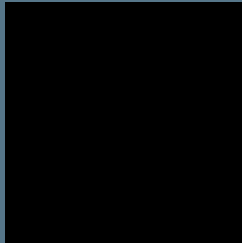
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

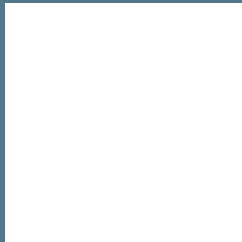
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 15.421, 245.538

Background



This preview shows how black text looks on a background with the CIELCh color 48, 15.421, 245.538.



This preview shows how white text looks on a background with the CIELCh color 48, 15.421, 245.538.

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


48, 15.421, 245.538

Protanopia

48, 11.828, 286.291

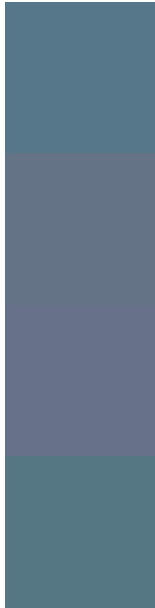
Deuteranopia

48, 16.559, 293.637



Tritanopia
48, 13.685, 221.145

Trichromacy



Original Color
48, 15.421, 245.538

Protanomaly
48, 12.694, 268.027

Deuteranomaly
48, 14.583, 276.208

Tritanomaly
48, 13.970, 231.858

Monochromacy



Original Color
48, 15.421, 245.538

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 6.124, 241.708

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 15.421, 245.538 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(86, 118, 137)` looks like.

```
.text, #text, p{  
    color:rgb(86, 118, 137)  
}
```

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(86, 118, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 118, 137) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 15.421, 245.538 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(86, 118, 137) }
```

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

```
.border{ border-color:rgb(86, 118, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 118, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 118, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 118, 137);  
box-shadow:4px 4px 4px 4px rgb(86, 118,  
137) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 15.421, 245.538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 118, 137) }
```

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

```
.background{ background-color: rgb(86, 118,  
137) }
```

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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