

Converting Colors

CIELCh(48, 11.984, 256.304)

Have a look what the booklet for
CIELCh(48, 11.984, 256.304)
contains.

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Color

CIELCh(48, 11.973, 256.226)

Conversions

Conversions Part 1

Format	Color
Hex	617485
RGB	97, 116, 133
RGB Percent	38%, 45%, 52%
CMY	0.6188, 0.5442, 0.4775
CMYK	0.27, 0.13, 0.00, 0.48
HSL	208°, 16%, 45%
HSV	208°, 27%, 52%
XYZ	15.4729, 16.7945, 24.6983
YIQ	112.2570, -16.7810, 1.2590

Conversions

Conversions Part 2

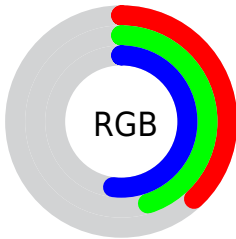
Format	Color
R_{YB}	97, 109, 133
Decimal	6386821
CIE _{Lab}	48.00, -2.85, -11.63
CIE _{LCh}	48, 11.973, 256.226
Yxy	16.7945, 0.2716, 0.2948
Android (android.graphics.Color)	4284576901 (0xFF617485)
YUV	112.2570, 10.2263, -13.3804
Hunter-Lab	40.9810, -4.3221, -7.0459

Details

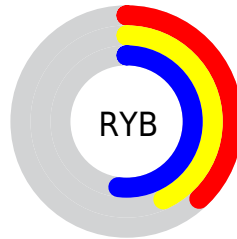
The CIELCh color $48, 11.973, 256.226$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $49, 13.013, 69.233$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 11.961, 255.377$, and $28, 11.789, 254.767$ is the 20% darker color. If you saturate the color by 10%, you get $45, 16.239, 258.158$, and if you desaturate by 10%, it is $51, 7.607, 254.603$.

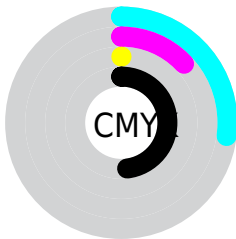
Distribution



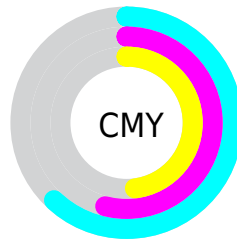
- Red (38%)
- Green (45%)
- Blue (52%)



- Red (38%)
- Yellow (43%)
- Blue (52%)



- Cyan (27%)
- Magenta (13%)
- Yellow (0%)
- Black (48%)



- Cyan (62%)
- Magenta (54%)
- Yellow (48%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 11.973, 256.226 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, 11.973, 256.226 by changing the saturation by 10% instead.

 48, 11.973,
256.226


 48, 11.973,
256.226


 100, 11.973,
256.226


 38, 11.973,
256.226

 68, 11.973,
256.226


 28, 11.973,
256.226

 78, 11.973,
256.226

 18, 11.973,
256.226


 88, 11.973,
256.226

 8, 11.973, 256.226

 98, 11.973,
256.226

 0, 11.973, 256.226

 48, 11.973,

 48, 11.973,

256.226

256.226

■ 45, 16.239,
258.158

■ 51, 7.607, 254.603

■ 43, 20.392,
260.464

■ 54, 3.164, 253.280

■ 40, 24.424,
263.197

■ 56, 1.338, 71.807

■ 37, 28.345,
266.402

■ 59, 5.877, 70.980

■ 35, 32.186,
270.096

■ 62, 10.438, 70.149

■ 33, 36.007,
274.238

■ 65, 15.006, 69.421

■ 30, 39.897,
278.613

■ 68, 19.569, 68.783

■ 30, 41.096,
279.819

■ 71, 24.116, 68.223

■ 74, 28.641, 67.727

Harmonies

Complementary

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



48, 11.973, 256.226



49, 13.013, 69.233

Rectangle

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



48, 11.973, 256.226



48, 11.973, 306.226



48, 11.973, 76.226



48, 11.973, 126.226

Sweetspot

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



48, 11.972, 256.222



68, 4.462, 253.415



53, 18.042, 159.588



35, 3.155, 253.577



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



48, 11.972, 256.222



60, 17.484, 257.282



43, 20.979, 291.987



27, 2.525, 253.529



29, 40.297, 279.699



0, 0.609, 252.362

Inverse Universe

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



45, 18.476, 344.476



56, 27.173, 345.054



54, 19.801, 106.223



26, 3.784, 342.852



27, 51.901, 358.127



0, 0.897, 342.182

Previews

White Background



This preview shows how the CIELCh color 48, 11.973, 256.226 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, 11.973, 256.226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

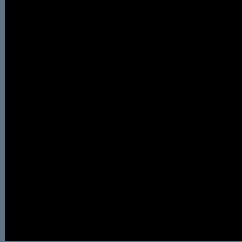
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

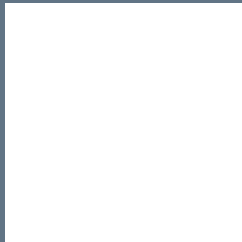
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 11.973, 256.226

Background



This preview shows how black text looks on a background with the CIELCh color 48, 11.973, 256.226.

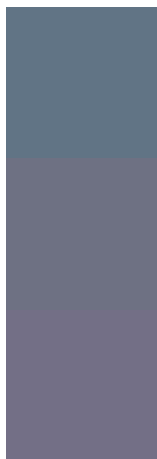


This preview shows how white text looks on a background with the CIELCh color 48, 11.973, 256.226.

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, 11.973, 256.226

Protanopia

48, 10.657, 285.491

Deuteranopia

48, 13.704, 298.295



Tritanopia
48, 9.621, 236.745

Trichromacy



Original Color
48, 11.973, 256.226

Protanomaly
48, 11.045, 273.933

Deuteranomaly
48, 12.445, 284.947

Tritanomaly
48, 10.306, 242.386

Monochromacy



Original Color
48, 11.973, 256.226

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 4.430, 252.502

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 11.973, 256.226 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(97, 116, 133)` looks like.

```
.text, #text, p{  
    color:rgb(97, 116, 133)  
}
```

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(97, 116, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 116, 133) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 11.973, 256.226 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(97, 116, 133) }
```

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

```
.border{ border-color:rgb(97, 116, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 116, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 116, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 116, 133);  
box-shadow:4px 4px 4px 4px rgb(97, 116,  
133) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 11.973, 256.226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 116, 133) }
```

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

```
.background{ background-color: rgb(97, 116,  
133) }
```

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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