

Converting Colors

CIELCh(48, 18.742, 257.063)

Have a look what the booklet for
CIELCh(48, 18.742, 257.063)
contains.

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Color

CIELCh(48, 18.780, 257.340)

Conversions

Conversions Part 1

Format	Color
Hex	557590
RGB	85, 117, 144
RGB Percent	33%, 46%, 56%
CMY	0.6650, 0.5396, 0.4336
CMYK	0.41, 0.19, 0.00, 0.43
HSL	207°, 26%, 45%
HSV	207°, 41%, 57%
XYZ	15.2587, 16.7945, 28.9924
YIQ	110.5100, -27.7390, 1.6130

Conversions

Conversions Part 2

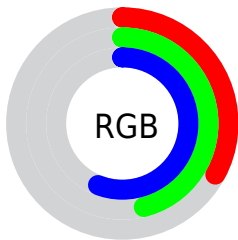
Format	Color
R_{YB}	85, 106, 144
Decimal	5600656
CIE _{Lab}	48.00, -4.12, -18.32
CIE _{LCh}	48, 18.780, 257.340
Yxy	16.7945, 0.2500, 0.2751
Android (android.graphics.Color)	4283790736 (0xFF557590)
YUV	110.5100, 16.5106, -22.3723
Hunter-Lab	40.9810, -5.2548, -13.2585

Details

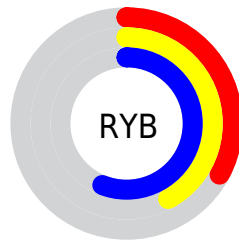
The CIELCh color $48, 18.780, 257.340$ is a dark color, and the websafe version is hex 336699 . A complement of this color would be $50, 21.698, 66.098$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 18.825, 257.472$, and $28, 18.920, 258.125$ is the 20% darker color. If you saturate the color by 10%, you get $45, 23.052, 259.821$, and if you desaturate by 10%, it is $51, 14.360, 255.261$.

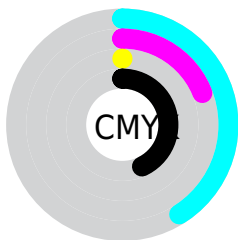
Distribution



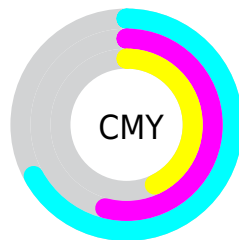
- Red (33%)
- Green (46%)
- Blue (56%)



- Red (33%)
- Yellow (42%)
- Blue (56%)



- Cyan (41%)
- Magenta (19%)
- Yellow (0%)
- Black (43%)





- Cyan (67%)
- Magenta (54%)
- Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 18.780, 257.340 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, 18.780, 257.340 by changing the saturation by 10% instead.


 48, 18.780,
257.340


 48, 18.780,
257.340


 100, 18.780,
257.340


 38, 18.780,
257.340

 68, 18.780,
257.340


 28, 18.780,
257.340

 78, 18.780,
257.340

 18, 18.780,
257.340


 88, 18.780,
257.340

 8, 18.780, 257.340

 98, 18.780,
257.340

 0, 18.780, 257.340

 48, 18.780,

 48, 18.780,

257.340

257.340

■ 45, 23.052,
259.821

■ 51, 14.360,
255.261

■ 42, 27.175,
262.765

■ 54, 9.810, 253.529

■ 40, 31.166,
266.213

■ 57, 5.154, 252.098

■ 60, 0.415, 251.566

■ 37, 35.071,
270.163

■ 63, 4.382, 69.694

■ 35, 38.964,
274.548

■ 66, 9.218, 68.845

■ 69, 14.074, 68.096

■ 33, 42.630,
278.584

■ 72, 18.935, 67.443

■ 75, 23.789, 66.872

Harmonies

Complementary

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



48, 18.780, 257.340



50, 21.698, 66.098

Rectangle

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



48, 18.780, 257.340



48, 18.780, 307.340



48, 18.780, 77.340



48, 18.780, 127.340

Sweetspot

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



48, 18.779, 257.339



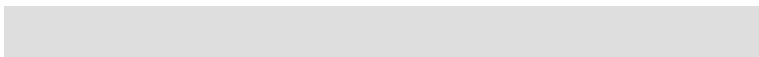
72, 7.075, 252.280



55, 29.187, 157.245



37, 4.673, 252.430



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



48, 18.779, 257.339



59, 27.656, 259.600



40, 34.212, 293.595



29, 2.659, 251.886



31, 40.398, 278.265



1, 1.810, 250.723

Inverse Universe

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



44, 30.090, 345.173



53, 44.461, 346.298



58, 31.189, 104.088



28, 4.066, 342.113



29, 53.566, 356.994



1, 2.719, 341.442

Previews

White Background



This preview shows how the CIELCh color 48, 18.780, 257.340 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, 18.780, 257.340 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

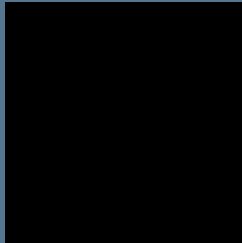
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

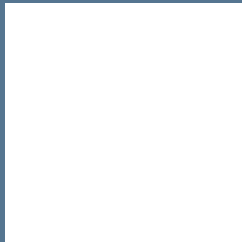
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 18.780, 257.340

Background



This preview shows how black text looks on a background with the CIELCh color 48, 18.780, 257.340.

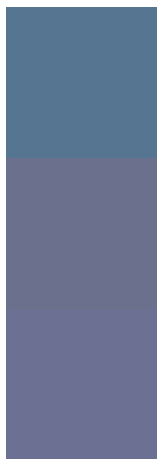


This preview shows how white text looks on a background with the CIELCh color 48, 18.780, 257.340.

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, 18.780, 257.340

Protanopia

48, 17.172, 286.418

Deuteranopia

48, 20.072, 288.761



Tritanopia
48, 14.693, 221.940

Trichromacy



Original Color
48, 18.780, 257.340

Protanomaly
48, 17.163, 274.420

Deuteranomaly
48, 18.751, 277.472

Tritanomaly
48, 15.303, 236.710

Monochromacy



Original Color
48, 18.780, 257.340

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 7.167, 255.042

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 18.780, 257.340 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(85, 117, 144)` looks like.

```
.text, #text, p{  
    color:rgb(85, 117, 144)  
}
```

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(85, 117, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 117, 144) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 18.780, 257.340 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(85, 117, 144) }
```

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

```
.border{ border-color:rgb(85, 117, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 117, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 117, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 117, 144);  
box-shadow:4px 4px 4px 4px rgb(85, 117,  
144) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 18.780, 257.340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 117, 144) }
```

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

```
.background{ background-color: rgb(85, 117,  
144) }
```

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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