

Converting Colors

CIELCh(48, 17.735, 248.289)

Have a look what the booklet for
CIELCh(48, 17.735, 248.289)
contains.

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Color

CIELCh(48, 17.753, 248.828)

Conversions

Conversions Part 1

Format	Color
Hex	52768D
RGB	82, 118, 141
RGB Percent	32%, 46%, 55%
CMY	0.6769, 0.5357, 0.4455
CMYK	0.42, 0.16, 0.00, 0.45
HSL	203°, 26%, 44%
HSV	203°, 42%, 55%
XYZ	14.8752, 16.7945, 27.8131
YIQ	109.8580, -28.8390, -0.4790

Conversions

Conversions Part 2

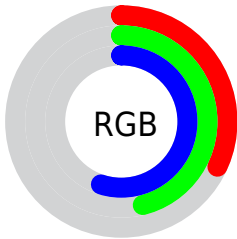
Format	Color
R_{YB}	82, 104, 141
Decimal	5404301
CIE _{Lab}	48.00, -6.41, -16.55
CIE _{LCh}	48, 17.753, 248.828
Yxy	16.7945, 0.2501, 0.2823
Android (android.graphics.Color)	4283594381 (0xFF52768D)
YUV	109.8580, 15.3530, -24.4315
Hunter-Lab	40.9810, -6.9251, -11.5524

Details

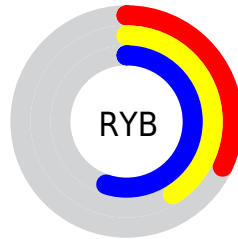
The CIELCh color $48, 17.753, 248.828$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $48, 21.650, 58.829$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 17.879, 249.524$, and $28, 17.809, 248.535$ is the 20% darker color. If you saturate the color by 10%, you get $46, 21.486, 251.190$, and if you desaturate by 10%, it is $51, 13.785, 246.882$.

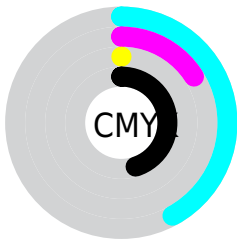
Distribution



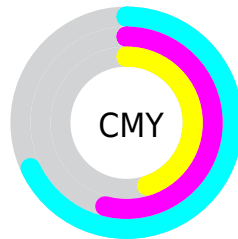
- Red (32%)
- Green (46%)
- Blue (55%)



- Red (32%)
- Yellow (41%)
- Blue (55%)



- Cyan (42%)
- Magenta (16%)
- Yellow (0%)
- Black (45%)



- Cyan (68%)
- Magenta (54%)
- Yellow (45%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 17.753, 248.828 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, 17.753, 248.828 by changing the saturation by 10% instead.

 48, 17.753,
248.828


 48, 17.753,
248.828

 100, 17.753,
248.828

 38, 17.753,
248.828

 68, 17.753,
248.828


 28, 17.753,
248.828

 78, 17.753,
248.828

 18, 17.753,
248.828


 88, 17.753,
248.828

 8, 17.753, 248.828

 98, 17.753,
248.828

 0, 17.753, 248.828

 48, 17.753,

 48, 17.753,

248.828

248.828

■ 46, 21.486,
251.190

■ 51, 13.785,
246.882

■ 43, 24.970,
254.045

■ 53, 9.613, 245.291

■ 41, 28.212,
257.450

■ 56, 5.270, 244.001

■ 58, 0.791, 243.287

■ 39, 31.252,
261.432

■ 61, 3.792, 61.848

■ 37, 34.169,
265.948

■ 64, 8.453, 61.143

■ 66, 13.166, 60.521

■ 35, 36.624,
269.743

■ 69, 17.911, 59.989

■ 72, 22.673, 59.533

Harmonies

Complementary

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



48, 17.753, 248.828



48, 21.650, 58.829

Rectangle

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



48, 17.753, 248.828



48, 17.753, 298.828



48, 17.753, 68.828



48, 17.753, 118.828

Sweetspot

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



48, 17.752, 248.826



70, 7.212, 244.181



54, 30.899, 154.118



36, 5.014, 244.423



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



48, 17.752, 248.826



59, 25.744, 251.017



39, 31.842, 290.876



29, 2.566, 243.722



34, 35.330, 269.510



1, 1.755, 242.691

Inverse Universe

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



43, 31.473, 341.634



52, 46.098, 342.634



56, 29.444, 100.589



28, 4.263, 338.792



29, 55.032, 351.207



1, 2.855, 338.164

Previews

White Background



This preview shows how the CIE LCh color 48, 17.753, 248.828 looks on a white background.

Color Contrast Check

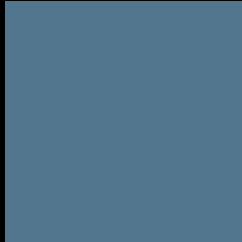
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 48, 17.753, 248.828 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

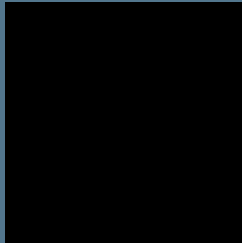
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

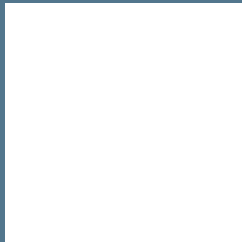
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 17.753, 248.828

Background



This preview shows how black text looks on a background with the CIELCh color 48, 17.753, 248.828.



This preview shows how white text looks on a background with the CIELCh color 48, 17.753, 248.828.

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, 17.753, 248.828

Protanopia

48, 14.804, 286.448

Deuteranopia

48, 18.905, 290.498



Tritanopia
48, 15.247, 220.976

Trichromacy



Original Color
48, 17.753, 248.828

Protanomaly
48, 15.518, 271.962

Deuteranomaly
48, 17.163, 274.420

Tritanomaly
48, 15.750, 232.697

Monochromacy



Original Color
48, 17.753, 248.828

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 6.782, 243.510

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 17.753, 248.828 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(82, 118, 141)` looks like.

```
.text, #text, p{  
    color:rgb(82, 118, 141)  
}
```

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(82, 118, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 118, 141) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 17.753, 248.828 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(82, 118, 141) }
```

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

```
.border{ border-color:rgb(82, 118, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 118, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 118, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 118, 141);  
box-shadow:4px 4px 4px 4px rgb(82, 118,  
141) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 17.753, 248.828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 118, 141) }
```

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

```
.background{ background-color: rgb(82, 118,  
141) }
```

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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