

Converting Colors

CIELCh(50, 13.806, 207.875)

Have a look what the booklet for
CIELCh(50, 13.806, 207.875)
contains.

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Color

CIELCh(50, 13.806, 207.875)

Conversions

Conversions Part 1

Format	Color
Hex	577D81
RGB	87, 125, 129
RGB Percent	34%, 49%, 51%
CMY	0.6572, 0.5081, 0.4924
CMYK	0.32, 0.03, 0.00, 0.49
HSL	186°, 19%, 43%
HSV	186°, 32%, 51%
XYZ	15.3486, 18.4187, 23.6649
YIQ	114.0940, -23.9320, -6.8120

Conversions

Conversions Part 2

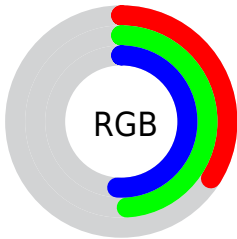
Format	Color
R_{YB}	87, 107, 129
Decimal	5733761
CIE _{Lab}	50.00, -12.20, -6.45
CIE _{LCh}	50, 13.806, 207.875
Yxy	18.4187, 0.2672, 0.3207
Android (android.graphics.Color)	4283923841 (0xFF577D81)
YUV	114.0940, 7.3487, -23.7614
Hunter-Lab	42.9170, -11.2668, -2.6513

Details

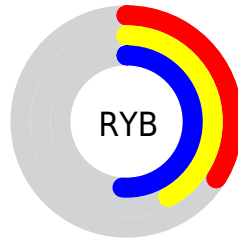
The CIELCh color **50, 13.806, 207.875** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **43, 17.257, 29.525**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 14.019, 207.379**, and **30, 13.898, 208.206** is the 20% darker color. If you saturate the color by 10%, you get **49, 17.304, 208.011**, and if you desaturate by 10%, it is **51, 9.900, 207.863**.

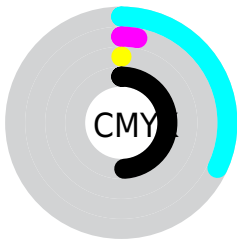
Distribution



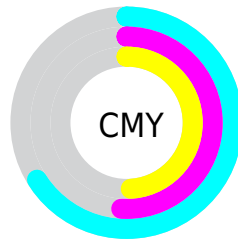
- Red (34%)
- Green (49%)
- Blue (51%)



- Red (34%)
- Yellow (42%)
- Blue (51%)



- Cyan (32%)
- Magenta (3%)
- Yellow (0%)
- Black (49%)



- Cyan (66%)
- Magenta (51%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 13.806, 207.875 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 50, 13.806, 207.875 by changing the saturation by 10% instead.

■ 50, 13.806,
207.875

■ 50, 13.806,
207.875

■ 100, 13.806,
207.875

■ 40, 13.806,
207.875

■ 70, 13.806,
207.875

■ 30, 13.806,
207.875

■ 80, 13.806,
207.875

■ 20, 13.806,
207.875

■ 90, 13.806,
207.875

■ 10, 13.806,
207.875

■ 0, 13.806, 207.875

■ 50, 13.806,
207.875

■ 50, 13.806,
207.875

■ 49, 17.304,
208.011

■ 51, 9.900, 207.863

■ 48, 20.324,
208.307

■ 52, 5.657, 207.977

■ 54, 1.143, 208.425

■ 47, 22.809,
208.788

■ 55, 3.579, 28.189

■ 46, 24.715,
209.485

■ 57, 8.457, 28.534

■ 58, 13.445, 28.868

■ 46, 26.030,
210.433

■ 60, 18.507, 29.220

■ 45, 26.775,
211.662

■ 62, 23.612, 29.586

■ 63, 28.737, 29.962

■ 45, 27.153,
212.680

Harmonies

Complementary

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



50, 13.806, 207.875



43, 17.257, 29.525

Rectangle

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



50, 13.806, 207.875



50, 13.806, 257.875



50, 13.806, 27.875



50, 13.806, 77.875

Sweetspot

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



50, 13.806, 207.871



67, 5.661, 208.023



50, 28.169, 144.508



35, 3.833, 207.998



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



50, 13.806, 207.871



63, 19.931, 207.961



44, 15.733, 268.899



26, 2.550, 208.051



44, 26.863, 212.653



0, 0.000, 0.000

Inverse Universe

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



43, 27.955, 328.936



53, 41.399, 329.353



48, 16.431, 79.784



25, 4.780, 327.603



29, 64.302, 332.284



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 50, 13.806, 207.875 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 50, 13.806, 207.875 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

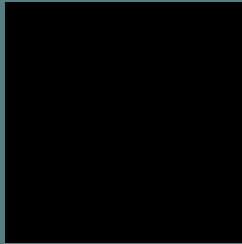
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

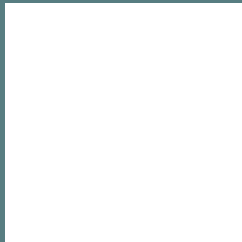
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 13.806, 207.875

Background



This preview shows how black text looks on a background with the CIELCh color 50, 13.806, 207.875.



This preview shows how white text looks on a background with the CIELCh color 50, 13.806, 207.875.

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

50, 13.806, 207.875

Protanopia

50, 4.127, 296.194

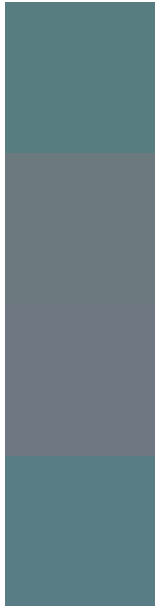
Deuteranopia

50, 10.613, 310.628



Tritanopia
50, 13.818, 223.451

Trichromacy



Original Color
50, 13.806, 207.875

Protanomaly
50, 6.017, 234.822

Deuteranomaly
50, 7.587, 267.494

Tritanomaly
50, 13.804, 218.119

Monochromacy



Original Color
50, 13.806, 207.875

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 5.474, 205.058

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 13.806, 207.875 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(87, 125, 129)` looks like.

```
.text, #text, p{  
    color:rgb(87, 125, 129)  
}
```

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(87, 125, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 125, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 13.806, 207.875 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(87, 125, 129) }
```

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

```
.border{ border-color:rgb(87, 125, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 125, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 125, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 125, 129);  
box-shadow:4px 4px 4px 4px rgb(87, 125,  
129) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 13.806, 207.875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 125, 129) }
```

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

```
.background{ background-color: rgb(87, 125,  
129) }
```

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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