

Converting Colors

CIELCh(48, 26.014, 210.167)

Have a look what the booklet for
CIELCh(48, 26.014, 210.167)
contains.

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Color

CIELCh(48, 25.949, 210.214)

Conversions

Conversions Part 1

Format	Color
Hex	217D87
RGB	33, 125, 135
RGB Percent	13%, 49%, 53%
CMY	0.8695, 0.5091, 0.4699
CMYK	0.75, 0.07, 0.00, 0.47
HSL	186°, 60%, 33%
HSV	186°, 75%, 53%
XYZ	12.3778, 16.7945, 25.5770
YIQ	98.6320, -58.0420, -16.3940

Conversions

Conversions Part 2

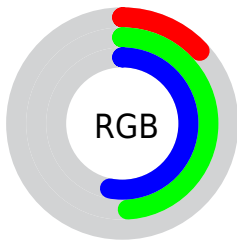
Format	Color
R_{YB}	33, 81, 135
Decimal	2194823
CIE _{Lab}	48.00, -22.42, -13.06
CIE _{LCh}	48, 25.949, 210.214
Yxy	16.7945, 0.2261, 0.3068
Android (android.graphics.Color)	4280384903 (0xFF217D87)
YUV	98.6320, 17.9294, -57.5593
Hunter-Lab	40.9810, -17.8030, -8.3172

Details

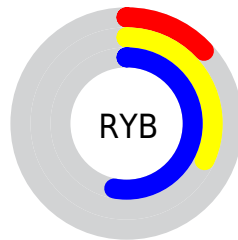
The CIELCh color **48, 25.949, 210.214** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **32, 47.607, 35.779**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 25.936, 209.846**, and **29, 20.098, 213.748** is the 20% darker color. If you saturate the color by 10%, you get **47, 27.111, 211.296**, and if you desaturate by 10%, it is **49, 24.174, 209.400**.

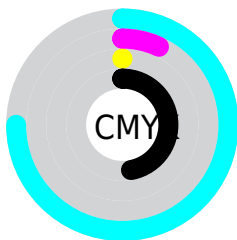
Distribution



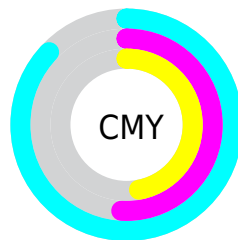
- Red (13%)
- Green (49%)
- Blue (53%)



- Red (13%)
- Yellow (32%)
- Blue (53%)



- Cyan (75%)
- Magenta (7%)
- Yellow (0%)
- Black (47%)





- Cyan (87%)
- Magenta (51%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 25.949, 210.214 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, 25.949, 210.214 by changing the saturation by 10% instead.


 48, 25.949,
210.214


 48, 25.949,
210.214


 100, 25.949,
210.214


 38, 25.949,
210.214

 68, 25.949,
210.214


 28, 25.949,
210.214

 78, 25.949,
210.214

 18, 25.949,
210.214

 88, 25.949,
210.214

 8, 25.949, 210.214

 98, 25.949,
210.214

 0, 25.949, 210.214

 48, 25.949,

 48, 25.949,

210.214

■ 47, 27.111,
211.296

■ 47, 27.722,
212.665

■ 47, 27.946,
213.323

210.214

■ 49, 24.174,
209.400

■ 50, 21.792,
208.823

■ 51, 18.837,
208.448

■ 52, 15.366,
208.242

■ 53, 11.450,
208.179

■ 54, 7.161, 208.241

■ 56, 2.572, 208.476

■ 57, 2.253, 28.332

■ 59, 7.253, 28.717

Harmonies

Complementary

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



48, 25.949, 210.214



32, 47.607, 35.779

Rectangle

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



48, 25.949, 210.214



48, 25.949, 260.214



48, 25.949, 30.214



48, 25.949, 80.214

Sweetspot

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



48, 25.948, 210.213



68, 12.949, 208.181



49, 62.573, 139.622



35, 8.934, 208.180



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, 25.948, 210.213



60, 33.437, 212.177



32, 38.194, 280.782



28, 2.712, 208.351



46, 27.563, 213.288



1, 1.288, 208.433

Inverse Universe

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



33, 59.988, 331.316



42, 79.421, 332.088



43, 41.201, 73.674



27, 5.087, 327.699



30, 65.984, 332.439



0, 2.348, 327.213

Previews

White Background



This preview shows how the CIE LCh color 48, 25.949, 210.214 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, 25.949, 210.214 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

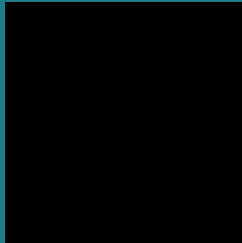
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

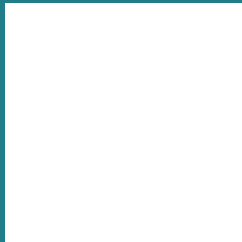
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 25.949, 210.214

Background



This preview shows how black text looks on a background with the CIELCh color 48, 25.949, 210.214.

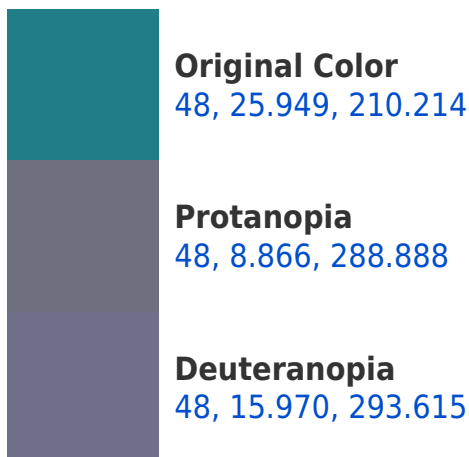


This preview shows how white text looks on a background with the CIELCh color 48, 25.949, 210.214.

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





Tritanopia
48, 25.949, 210.214

Trichromacy



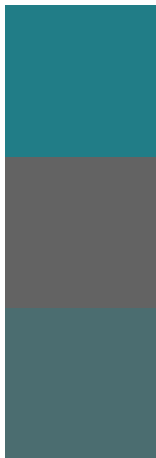
Original Color
48, 25.949, 210.214

Protanomaly
47, 13.986, 231.924

Deuteranomaly
47, 16.415, 248.172

Tritanomaly
48, 25.949, 210.214

Monochromacy



Original Color
48, 25.949, 210.214

Achromatopsia
42, 0.006, 296.813

Achromatomaly
44, 12.631, 206.266

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 25.949, 210.214 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(33, 125, 135)` looks like.

```
.text, #text, p{  
    color:rgb(33, 125, 135)  
}
```

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(33, 125, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 125, 135) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 25.949, 210.214 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(33, 125, 135) }
```

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

```
.border{ border-color:rgb(33, 125, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 125, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 125, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 125, 135);  
box-shadow:4px 4px 4px 4px rgb(33, 125,  
135) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 25.949, 210.214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 125, 135) }
```

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

```
.background{ background-color: rgb(33, 125,  
135) }
```

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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