

Converting Colors

CIELCh(48, 20.345, 209.943)

Have a look what the booklet for
CIELCh(48, 20.345, 209.943)
contains.

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Color

CIELCh(48, 20.459, 209.145)

Conversions

Conversions Part 1

Format	Color
Hex	3D7B82
RGB	61, 123, 130
RGB Percent	24%, 48%, 51%
CMY	0.7604, 0.5173, 0.4899
CMYK	0.53, 0.05, 0.00, 0.49
HSL	186°, 36%, 37%
HSV	186°, 53%, 51%
XYZ	13.0573, 16.7945, 23.7008
YIQ	105.2600, -39.1990, -10.9670

Conversions

Conversions Part 2

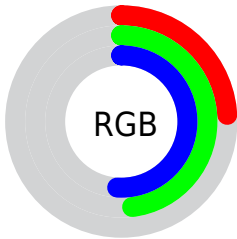
Format	Color
RYB	61, 94, 130
Decimal	4029314
CIELab	48.00, -17.87, -9.96
CIELCh	48, 20.459, 209.145
Yxy	16.7945, 0.2438, 0.3136
Android (android.graphics.Color)	4282219394 (0xFF3D7B82)
YUV	105.2600, 12.1968, -38.8160
Hunter-Lab	40.9810, -14.8434, -5.6027

Details

The CIELCh color **48, 20.459, 209.145** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **36, 30.415, 32.085**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 20.620, 208.690**, and **28, 19.762, 210.110** is the 20% darker color. If you saturate the color by 10%, you get **47, 22.908, 209.694**, and if you desaturate by 10%, it is **49, 17.471, 208.789**.

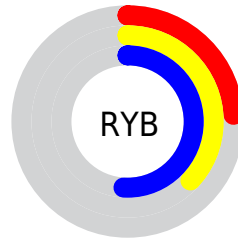
Distribution



Red (24%)

Green (48%)

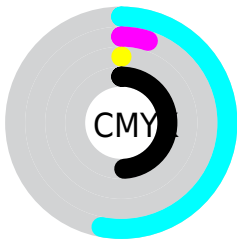
Blue (51%)



Red (24%)

Yellow (37%)

Blue (51%)

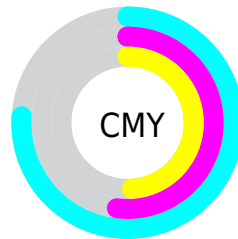


Cyan (53%)

Magenta (5%)

Yellow (0%)

Black (49%)



Cyan (76%)


Magenta (52%)

Yellow (49%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 20.459, 209.145 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, 20.459, 209.145 by changing the saturation by 10% instead.


 48, 20.459,
209.145


 48, 20.459,
209.145


 100, 20.459,
209.145


 38, 20.459,
209.145

 68, 20.459,
209.145


 28, 20.459,
209.145

 78, 20.459,
209.145

 18, 20.459,
209.145

 88, 20.459,
209.145

 8, 20.459, 209.145

 98, 20.459,
209.145

 0, 20.459, 209.145

 48, 20.459,

 48, 20.459,

209.145

■ 47, 22.908,
209.694

■ 46, 24.777,
210.477

■ 46, 26.056,
211.528

■ 45, 26.769,
212.879

■ 45, 27.118,
213.897

209.145

■ 49, 17.471,
208.789

■ 50, 14.004,
208.600

■ 51, 10.124,
208.551

■ 53, 5.904, 208.628

■ 54, 1.410, 208.982

■ 55, 3.296, 28.775

■ 57, 8.161, 29.104

■ 59, 13.139, 29.418

■ 60, 18.193, 29.750

Harmonies

Complementary

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



48, 20.459, 209.145



36, 30.415, 32.085

Rectangle

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



48, 20.459, 209.145



48, 20.459, 259.145



48, 20.459, 29.145



48, 20.459, 79.145

Sweetspot

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



48, 20.459, 209.143



66, 8.860, 208.587



49, 44.794, 142.882



34, 5.925, 208.573



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



48, 20.459, 209.143



60, 28.260, 209.860



37, 26.484, 275.165



27, 2.621, 208.699



45, 27.114, 213.896



0, 0.642, 208.767

Inverse Universe

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



37, 44.443, 330.282



44, 63.720, 330.935



45, 28.000, 78.548



26, 4.918, 327.797



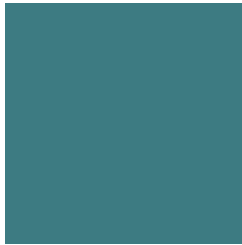
29, 64.909, 332.588



0, 1.171, 327.313

Previews

White Background



This preview shows how the CIE LCh color 48, 20.459, 209.145 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, 20.459, 209.145 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

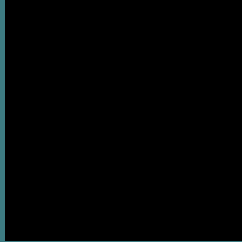
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 20.459, 209.145

Background



This preview shows how black text looks on a background with the CIELCh color 48, 20.459, 209.145.



This preview shows how white text looks on a background with the CIELCh color 48, 20.459, 209.145.

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, 20.459, 209.145

Protanopia

48, 5.910, 287.186

Deuteranopia

48, 13.118, 298.528



Tritanopia
48, 20.323, 214.515

Trichromacy



Original Color
48, 20.459, 209.145

Protanomaly
48, 10.187, 230.207

Deuteranomaly
47, 12.177, 254.894

Tritanomaly
48, 20.273, 212.784

Monochromacy



Original Color
48, 20.459, 209.145

Achromatopsia
44, 0.006, 296.813

Achromatomaly
46, 8.852, 206.229

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 20.459, 209.145 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(61, 123, 130)` looks like.

```
.text, #text, p{  
    color:rgb(61, 123, 130)  
}
```

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(61, 123, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 123, 130) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 20.459, 209.145 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(61, 123, 130) }
```

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

```
.border{ border-color:rgb(61, 123, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 123, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 123, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 123, 130);  
box-shadow:4px 4px 4px 4px rgb(61, 123,  
130) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 20.459, 209.145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 123, 130) }
```

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

```
.background{ background-color: rgb(61, 123,  
130) }
```

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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