

Converting Colors

CIELCh(48, 28.520, 196.541)

Have a look what the booklet for
CIELCh(48, 28.520, 196.541)
contains.

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Color

CIELCh(48, 28.613, 196.509)

Conversions

Conversions Part 1

Format	Color
Hex	147F7F
RGB	20, 127, 127
RGB Percent	8%, 50%, 50%
CMY	0.9233, 0.5028, 0.5028
CMYK	0.85, 0.00, 0.00, 0.50
HSL	180°, 73%, 29%
HSV	180°, 85%, 50%
XYZ	11.6583, 16.7945, 22.6338
YIQ	95.0070, -63.7720, -22.6840

Conversions

Conversions Part 2

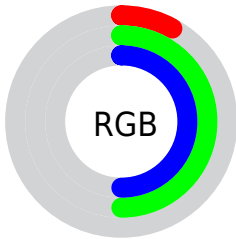
Format	Color
R_{YB}	20, 74, 127
Decimal	1343359
CIE _{Lab}	48.00, -27.43, -8.13
CIE _{LCh}	48, 28.613, 196.509
Y _{xy}	16.7945, 0.2282, 0.3287
Android (android.graphics.Color)	4279533439 (0xFF147F7F)
YUV	95.0070, 15.7725, -65.7811
Hunter-Lab	40.9810, -20.9373, -4.0591

Details

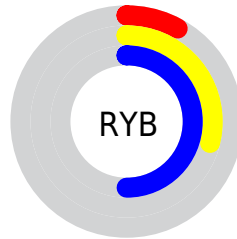
The CIELCh color **48, 28.613, 196.509** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **27, 53.386, 34.394**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 28.474, 197.151**, and **29, 20.894, 198.214** is the 20% darker color. If you saturate the color by 10%, you get **48, 29.471, 196.425**, and if you desaturate by 10%, it is **48, 27.206, 196.644**.

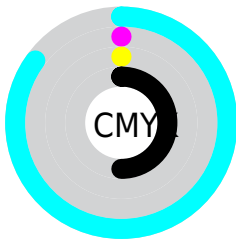
Distribution



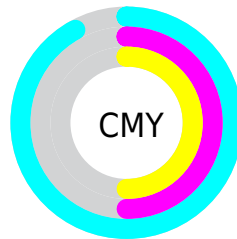
- Red (8%)
- Green (50%)
- Blue (50%)



- Red (8%)
- Yellow (29%)
- Blue (50%)



- Cyan (85%)
- Magenta (0%)
- Yellow (0%)
- Black (50%)



- Cyan (92%)
- Magenta (50%)
- Yellow (50%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 28.613, 196.509 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, 28.613, 196.509 by changing the saturation by 10% instead.

 48, 28.613,
196.509


 48, 28.613,
196.509


 100, 28.613,
196.509


 38, 28.613,
196.509

 68, 28.613,
196.509


 28, 28.613,
196.509

 78, 28.613,
196.509

 18, 28.613,
196.509

 88, 28.613,
196.509

 8, 28.613, 196.509

 98, 28.613,
196.509

 0, 28.613, 196.509

 48, 28.613,

 48, 28.613,

196.509

■ 48, 29.471,
196.425

■ 48, 29.857,
196.388

196.509

■ 48, 27.206,
196.644

■ 49, 25.201,
196.839

■ 49, 22.597,
197.096

■ 49, 19.424,
197.414

■ 50, 15.736,
197.790

■ 51, 11.600,
198.222

■ 52, 7.089, 198.712

■ 53, 2.279, 199.337

Harmonies

Complementary

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



48, 28.613, 196.509



27, 53.386, 34.394

Rectangle

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



48, 28.613, 196.509



48, 28.613, 246.509



48, 28.613, 16.509



48, 28.613, 66.509

Sweetspot

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



48, 28.613, 196.508



65, 14.642, 198.175



46, 66.623, 137.008



34, 9.965, 198.043



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, 28.613, 196.508



62, 36.300, 196.389



31, 35.346, 276.104



26, 2.793, 199.018



48, 29.977, 196.388



0, 0.000, 0.000

Inverse Universe

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



31, 64.881, 328.034



39, 83.710, 328.233



37, 43.479, 64.667



25, 5.102, 324.898



30, 69.129, 328.233



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 48, 28.613, 196.509 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, 28.613, 196.509 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

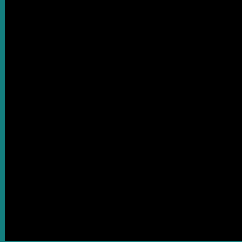
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 28.613, 196.509

Background



This preview shows how black text looks on a background with the CIELCh color 48, 28.613, 196.509.



This preview shows how white text looks on a background with the CIELCh color 48, 28.613, 196.509.

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, 28.613, 196.509

Protanopia

48, 2.987, 298.267

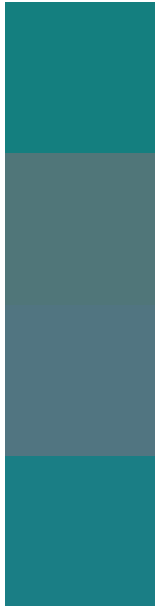
Deuteranopia

48, 11.425, 301.329



Tritanopia
48, 26.421, 211.287

Trichromacy



Original Color
48, 28.613, 196.509

Protanomaly
47, 13.843, 205.380

Deuteranomaly
47, 14.273, 228.296

Tritanomaly
48, 27.076, 205.624

Monochromacy



Original Color
48, 28.613, 196.509

Achromatopsia
40, 0.006, 296.813

Achromatomaly
42, 14.361, 197.740

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 28.613, 196.509 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(20, 127, 127)` looks like.

```
.text, #text, p{  
    color:rgb(20, 127, 127)  
}
```

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(20, 127, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 127, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 28.613, 196.509 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(20, 127, 127) }
```

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

```
.border{ border-color:rgb(20, 127, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 127, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 127, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 127, 127);  
box-shadow:4px 4px 4px 4px rgb(20, 127,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 28.613, 196.509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 127, 127) }
```

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

```
.background{ background-color: rgb(20, 127,  
127) }
```

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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