

Converting Colors

CIELCh(50, 20.327, 194.057)

Have a look what the booklet for
CIELCh(50, 20.327, 194.057)
contains.

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Color

CIELCh(50, 20.332, 194.002)

Conversions

Conversions Part 1

Format	Color
Hex	46817F
RGB	70, 129, 127
RGB Percent	27%, 51%, 50%
CMY	0.7269, 0.4955, 0.5033
CMYK	0.46, 0.00, 0.02, 0.50
HSL	178°, 30%, 39%
HSV	178°, 46%, 50%
XYZ	14.1111, 18.4187, 22.7698
YIQ	111.1310, -34.5220, -13.1300

Conversions

Conversions Part 2

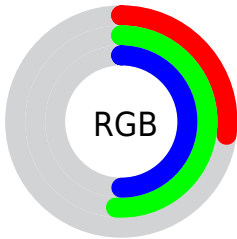
Format	Color
R_{YB}	70, 100, 129
Decimal	4620671
CIE _{Lab}	50.00, -19.73, -4.92
CIE _{LCh}	50, 20.332, 194.002
Yxy	18.4187, 0.2552, 0.3331
Android (android.graphics.Color)	4282810751 (0xFF46817F)
YUV	111.1310, 7.8234, -36.0719
Hunter-Lab	42.9170, -16.4139, -1.4148

Details

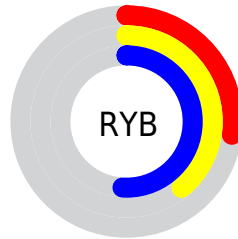
The CIELCh color **50, 20.332, 194.002** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **37, 27.335, 21.522**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 20.383, 194.684**, and **30, 20.176, 194.700** is the 20% darker color. If you saturate the color by 10%, you get **49, 23.562, 193.496**, and if you desaturate by 10%, it is **51, 16.584, 194.530**.

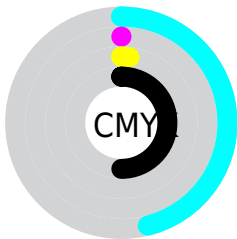
Distribution



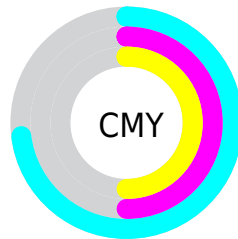
- Red (27%)
- Green (51%)
- Blue (50%)



- Red (27%)
- Yellow (39%)
- Blue (51%)



- Cyan (46%)
- Magenta (0%)
- Yellow (2%)
- Black (50%)





- Cyan (73%)
- Magenta (50%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 20.332, 194.002 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, 20.332, 194.002 by changing the saturation by 10% instead.


 50, 20.332,
194.002


 50, 20.332,
194.002


 100, 20.332,
194.002


 40, 20.332,
194.002


 70, 20.332,
194.002

 30, 20.332,
194.002


 80, 20.332,
194.002


 20, 20.332,
194.002

 90, 20.332,
194.002

 10, 20.332,
194.002

 0, 20.332, 194.002

 50, 20.332,
194.002

 50, 20.332,
194.002

■ 49, 23.562,
193.496

■ 51, 16.584,
194.530

■ 49, 26.219,
193.017

■ 51, 12.388,
195.090

■ 49, 28.271,
192.555

■ 52, 7.821, 195.684

■ 53, 2.959, 196.364

■ 49, 29.717,
192.103

■ 54, 2.127, 16.659

■ 48, 30.631,
191.652

■ 55, 7.370, 17.419

■ 48, 30.967,
191.470

■ 57, 12.718, 18.078

■ 58, 18.125, 18.728

■ 60, 23.554, 19.374

Harmonies

Complementary

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



50, 20.332, 194.002



37, 27.335, 21.522

Rectangle

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



50, 20.332, 194.002



50, 20.332, 244.002



50, 20.332, 14.002



50, 20.332, 64.002

Sweetspot

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



50, 20.332, 194.000



67, 8.630, 195.780



49, 40.859, 139.919



35, 5.903, 195.666



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, 20.332, 194.000



64, 28.826, 193.475



42, 18.905, 257.449



26, 2.803, 196.123



48, 30.767, 191.474



0, 0.000, 0.000

Inverse Universe

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



37, 27.335, 21.522



44, 41.874, 23.642



43, 22.389, 64.787



25, 2.952, 17.128



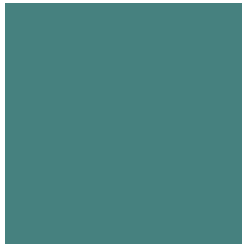
25, 60.105, 37.005



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 50, 20.332, 194.002 looks on a white 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

Black Background



This preview shows how the CIELCh color 50, 20.332, 194.002 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

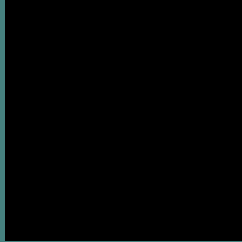
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 20.332, 194.002

Background



This preview shows how black text looks on a background with the CIELCh color 50, 20.332, 194.002.



This preview shows how white text looks on a background with the CIELCh color 50, 20.332, 194.002.

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, 20.332, 194.002

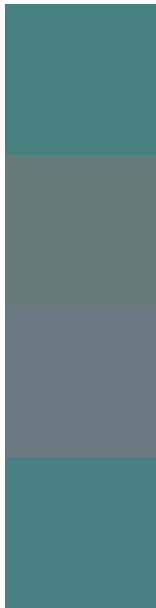
Protanopia
50, 1.432, 324.405

Deuteranopia
50, 9.672, 315.119



Tritanopia
50, 18.674, 216.135

Trichromacy



Original Color
50, 20.332, 194.002

Protanomaly
50, 7.690, 198.620

Deuteranomaly
50, 7.627, 242.920

Tritanomaly
50, 19.011, 206.476

Monochromacy



Original Color
50, 20.332, 194.002

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 8.101, 198.545

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 20.332, 194.002 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(70, 129, 127)` looks like.

```
.text, #text, p{  
    color:rgb(70, 129, 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(70, 129, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 129, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 20.332, 194.002 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(70, 129, 127) }
```

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

```
.border{ border-color:rgb(70, 129, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 129, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 129, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 129, 127);  
box-shadow:4px 4px 4px 4px rgb(70, 129,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 20.332, 194.002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 129, 127) }
```

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

```
.background{ background-color: rgb(70, 129,  
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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