

Converting Colors

CIELCh(50, 29.251, 224.725)

Have a look what the booklet for
CIELCh(50, 29.251, 224.725)
contains.

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Color

CIELCh(50, 29.226, 224.865)

Conversions

Conversions Part 1

Format	Color
Hex	0E8299
RGB	14, 130, 153
RGB Percent	5%, 51%, 60%
CMY	0.9463, 0.4894, 0.3992
CMYK	0.91, 0.15, 0.00, 0.40
HSL	190°, 84%, 33%
HSV	190°, 91%, 60%
XYZ	13.9539, 18.4187, 33.0497
YIQ	97.9380, -76.5190, -17.4390

Conversions

Conversions Part 2

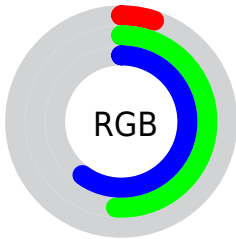
Format	Color
R_{YB}	14, 77, 153
Decimal	950937
CIE _{Lab}	50.00, -20.71, -20.62
CIE _{LCh}	50, 29.226, 224.865
Yxy	18.4187, 0.2133, 0.2815
Android (android.graphics.Color)	4279141017 (0xFF0E8299)
YUV	97.9380, 27.1456, -73.6136
Hunter-Lab	42.9170, -17.0677, -15.6164

Details

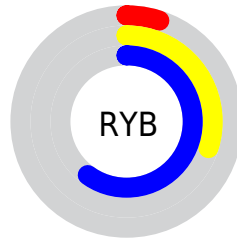
The CIELCh color **50, 29.226, 224.865** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **34, 62.703, 41.607**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 29.169, 224.660**, and **31, 22.466, 236.439** is the 20% darker color. If you saturate the color by 10%, you get **49, 29.765, 227.373**, and if you desaturate by 10%, it is **51, 28.266, 222.408**.

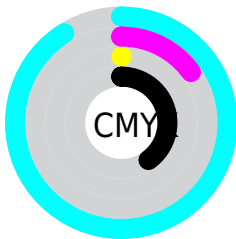
Distribution



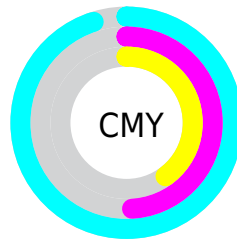
- Red (5%)
- Green (51%)
- Blue (60%)



- Red (5%)
- Yellow (30%)
- Blue (60%)



- Cyan (91%)
- Magenta (15%)
- Yellow (0%)
- Black (40%)





- Cyan (95%)
- Magenta (49%)
- Yellow (40%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 29.226, 224.865 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, 29.226, 224.865 by changing the saturation by 10% instead.

 50, 29.226,
224.865


 50, 29.226,
224.865


 100, 29.226,
224.865


 40, 29.226,
224.865


 70, 29.226,
224.865

 30, 29.226,
224.865


 80, 29.226,
224.865


 20, 29.226,
224.865

 90, 29.226,
224.865

 10, 29.226,
224.865

 0, 29.226, 224.865

 50, 29.226,
224.865

 50, 29.226,
224.865

■ 49, 29.765,
227.373

■ 51, 28.266,
222.408

■ 52, 26.710,
220.449

■ 53, 24.524,
218.926

■ 55, 21.721,
217.770

■ 56, 18.345,
216.919

■ 58, 14.465,
216.317

■ 59, 10.155,
215.919

■ 61, 5.491, 215.703

■ 63, 0.544, 216.319

Harmonies

Complementary

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



50, 29.226, 224.865



34, 62.703, 41.607

Rectangle

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



50, 29.226, 224.865



50, 29.226, 274.865



50, 29.226, 44.865



50, 29.226, 94.865

Sweetspot

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



50, 29.225, 224.865



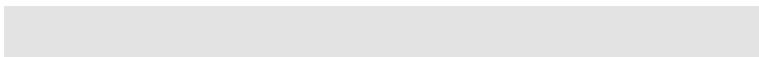
74, 15.752, 216.154



55, 74.937, 138.922



38, 10.468, 216.294



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



50, 29.225, 224.865



63, 36.111, 228.068



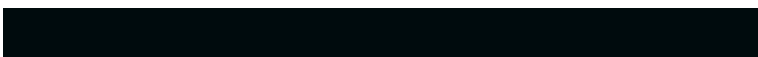
29, 57.865, 291.973



31, 2.813, 215.686



45, 27.905, 227.100



2, 3.086, 216.992

Inverse Universe

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



35, 68.349, 335.253



45, 84.223, 336.139



48, 53.623, 76.498



30, 5.300, 329.846



32, 65.307, 335.889



1, 5.640, 329.775

Previews

White Background



This preview shows how the CIE LCh color 50, 29.226, 224.865 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 50, 29.226, 224.865 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

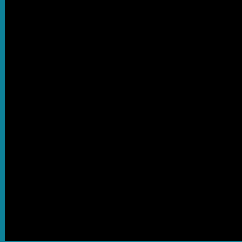
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 29.226, 224.865

Background



This preview shows how black text looks on a background with the CIELCh color 50, 29.226, 224.865.

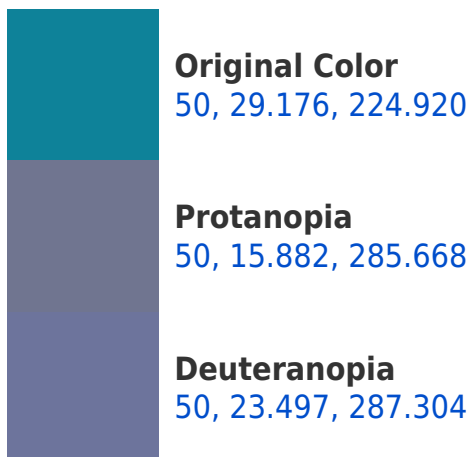


This preview shows how white text looks on a background with the CIELCh color 50, 29.226, 224.865.

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
50, 29.689, 208.154

Trichromacy



Original Color
50, 29.176, 224.920

Protanomaly
49, 20.313, 245.054

Deuteranomaly
49, 24.014, 255.458

Tritanomaly
50, 29.204, 214.528

Monochromacy



Original Color
50, 29.176, 224.920

Achromatopsia
42, 0.006, 296.813

Achromatomaly
44, 15.583, 215.919

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 29.226, 224.865 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(14, 130, 153)` looks like.

```
.text, #text, p{  
    color:rgb(14, 130, 153)  
}
```

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(14, 130, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 130, 153) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 29.226, 224.865 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(14, 130, 153) }
```

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

```
.border{ border-color:rgb(14, 130, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(14, 130, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 130, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 130, 153);  
box-shadow:4px 4px 4px 4px rgb(14, 130,  
153) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 29.226, 224.865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 130, 153) }
```

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

```
.background{ background-color: rgb(14, 130,  
153) }
```

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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