

Converting Colors

CIELCh(50, 23.798, 196.581)

Have a look what the booklet for
CIELCh(50, 23.798, 196.581)
contains.

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Color

CIELCh(50, 23.725, 197.025)

Conversions

Conversions Part 1

Format	Color
Hex	388282
RGB	56, 130, 130
RGB Percent	22%, 51%, 51%
CMY	0.7804, 0.4902, 0.4902
CMYK	0.57, 0.00, 0.00, 0.49
HSL	180°, 40%, 36%
HSV	180°, 57%, 51%
XYZ	13.6435, 18.4187, 23.9562
YIQ	107.8740, -44.1040, -15.6880

Conversions

Conversions Part 2

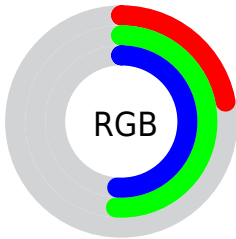
Format	Color
RYB	56, 93, 130
Decimal	3703426
CIELab	50.00, -22.69, -6.95
CIELCh	50, 23.725, 197.025
Yxy	18.4187, 0.2436, 0.3288
Android (android.graphics.Color)	4281893506 (0xFF388282)
YUV	107.8740, 10.9081, -45.4935
Hunter-Lab	42.9170, -18.3588, -3.0538




Details

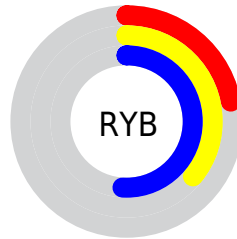
The CIELCh color **50, 23.725, 197.025** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **34, 35.581, 26.194**, and the grayscale version is **46, 0.006, 296.813**.




A 20% lighter version of the original color is **70, 23.565, 197.556**, and **30, 21.449, 198.155** is the 20% darker color. If you saturate the color by 10%, you get **50, 26.232, 196.781**, and if you desaturate by 10%, it is **51, 20.626, 197.327**.

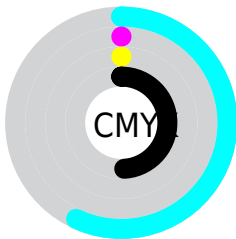
Distribution







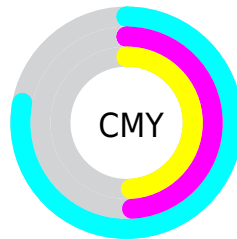
-  Red (22%)
-  Green (51%)
-  Blue (51%)






-  Red (22%)
-  Yellow (36%)
-  Blue (51%)



-  Cyan (57%)
-  Magenta (0%)
-  Yellow (0%)
-  Black (49%)





-  Cyan (78%)
-  Magenta (49%)
-  Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 23.725, 197.025 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, 23.725, 197.025 by changing the saturation by 10% instead.


 50, 23.725,
197.025


 50, 23.725,
197.025


 100, 23.725,
197.025


 40, 23.725,
197.025


 70, 23.725,
197.025

 30, 23.725,
197.025


 80, 23.725,
197.025


 20, 23.725,
197.025

 90, 23.725,
197.025

 10, 23.725,
197.025

 0, 23.725, 197.025

 50, 23.725,
197.025

 50, 23.725,
197.025

■ 50, 26.232,
196.781

■ 51, 20.626,
197.327

■ 49, 28.124,
196.600

■ 51, 16.985,
197.690

■ 49, 29.407,
196.478

■ 52, 12.867,
198.110

■ 49, 30.185,
196.404

■ 53, 8.347, 198.586

■ 49, 30.402,
196.384

■ 54, 3.503, 199.153

■ 55, 1.592, 19.319

■ 56, 6.873, 20.073

■ 57, 12.280, 20.679

■ 58, 17.766, 21.283

Harmonies

Complementary

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



50, 23.725, 197.025



34, 35.581, 26.194

Rectangle

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



50, 23.725, 197.025



50, 23.725, 247.025



50, 23.725, 17.025



50, 23.725, 67.025

Sweetspot

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



50, 23.725, 197.023



67, 10.342, 198.563



48, 50.683, 139.513



34, 6.853, 198.482



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, 23.725, 197.023



63, 32.348, 196.727



39, 24.241, 264.428



26, 2.793, 199.015



48, 29.978, 196.384



0, 0.000, 0.000

Inverse Universe

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



34, 35.581, 26.194



40, 53.734, 29.499



42, 28.962, 66.898



25, 2.951, 19.873



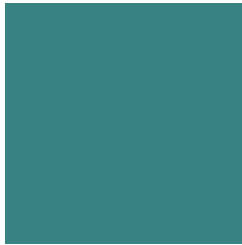
25, 61.101, 38.346



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 50, 23.725, 197.025 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, 23.725, 197.025 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

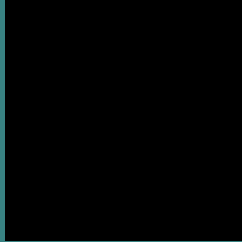
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 23.725, 197.025

Background



This preview shows how black text looks on a background with the CIELCh color 50, 23.725, 197.025.



This preview shows how white text looks on a background with the CIELCh color 50, 23.725, 197.025.

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, 23.725, 197.025

Protanopia

50, 2.386, 300.095

Deuteranopia

50, 11.049, 307.731



Tritanopia
50, 22.179, 212.805

Trichromacy



Original Color
50, 23.725, 197.025

Protanomaly
49, 9.849, 208.773

Deuteranomaly
49, 10.274, 242.311

Tritanomaly
50, 22.359, 207.927

Monochromacy



Original Color
50, 23.725, 197.025

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 10.265, 198.291

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 23.725, 197.025 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(56, 130, 130)` looks like.

```
.text, #text, p{  
    color:rgb(56, 130, 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(56, 130, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 130, 130) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 23.725, 197.025 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(56, 130, 130) }
```

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

```
.border{ border-color:rgb(56, 130, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 130, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 130, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 130, 130);  
box-shadow:4px 4px 4px 4px rgb(56, 130,  
130) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 23.725, 197.025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 130, 130) }
```

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

```
.background{ background-color: rgb(56, 130,  
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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