

Converting Colors

CIELCh(50, 20.247, 209.826)

Have a look what the booklet for
CIELCh(50, 20.247, 209.826)
contains.

CIELCh(50, 20.277, 209.231)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(50, 20.277, 209.231)

Conversions

Conversions Part 1

Format	Color
Hex	438087
RGB	67, 128, 135
RGB Percent	26%, 50%, 53%
CMY	0.7368, 0.4976, 0.4701
CMYK	0.50, 0.05, 0.00, 0.47
HSL	186°, 34%, 40%
HSV	186°, 50%, 53%
XYZ	14.4387, 18.4187, 25.7589
YIQ	110.5590, -38.6030, -10.7550

Conversions

Conversions Part 2

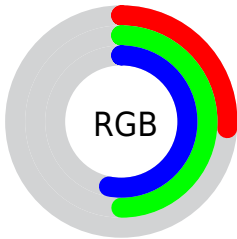
Format	Color
R_{YB}	67, 99, 135
Decimal	4423815
CIE _{Lab}	50.00, -17.69, -9.90
CIE _{LCh}	50, 20.277, 209.231
Yxy	18.4187, 0.2463, 0.3142
Android (android.graphics.Color)	4282613895 (0xFF438087)
YUV	110.5590, 12.0494, -38.2012
Hunter-Lab	42.9170, -15.0515, -5.5441

Details

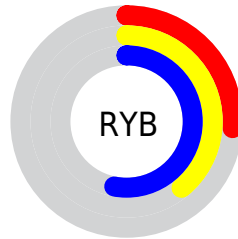
The CIELCh color **50, 20.277, 209.231** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **39, 29.477, 31.879**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 20.327, 208.840**, and **30, 20.416, 207.651** is the 20% darker color. If you saturate the color by 10%, you get **49, 22.945, 209.743**, and if you desaturate by 10%, it is **51, 17.066, 208.907**.

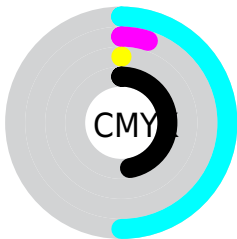
Distribution



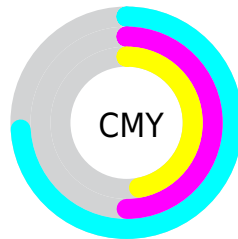
- Red (26%)
- Green (50%)
- Blue (53%)



- Red (26%)
- Yellow (39%)
- Blue (53%)



- Cyan (50%)
- Magenta (5%)
- Yellow (0%)
- Black (47%)





- Cyan (74%)
- Magenta (50%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 20.277, 209.231 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, 20.277, 209.231 by changing the saturation by 10% instead.


 50, 20.277,
209.231


 50, 20.277,
209.231


 100, 20.277,
209.231


 40, 20.277,
209.231


 70, 20.277,
209.231

 30, 20.277,
209.231


 80, 20.277,
209.231


 20, 20.277,
209.231

 90, 20.277,
209.231

 10, 20.277,
209.231

 0, 20.277, 209.231

 50, 20.277,
209.231

 50, 20.277,
209.231

49, 22.945,
209.743

51, 17.066,
208.907

48, 25.022,
210.484

52, 13.376,
208.747

47, 26.487,
211.489

53, 9.280, 208.723

55, 4.850, 208.831

47, 27.358,
212.795

56, 0.155, 211.576

46, 27.835,
214.261

58, 4.743, 29.021

59, 9.792, 29.330

61, 14.946, 29.646

63, 20.170, 29.980

Harmonies

Complementary

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



50, 20.277, 209.231



39, 29.477, 31.879

Rectangle

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



50, 20.277, 209.231



50, 20.277, 259.231



50, 20.277, 29.231



50, 20.277, 79.231

Sweetspot

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



50, 20.277, 209.229



69, 8.626, 208.758



51, 44.017, 143.171



36, 5.900, 208.741



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



50, 20.277, 209.229



63, 28.135, 209.807



40, 25.902, 274.501



27, 2.617, 208.856



45, 27.084, 214.188



0, 0.642, 208.918

Inverse Universe

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



39, 43.698, 330.195



47, 62.756, 330.787



47, 27.333, 78.899



26, 4.913, 327.843



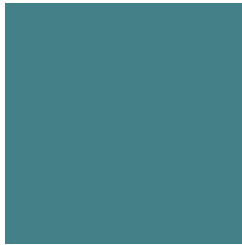
29, 64.836, 332.660



0, 1.170, 327.359

Previews

White Background



This preview shows how the CIELCh color 50, 20.277, 209.231 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, 20.277, 209.231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

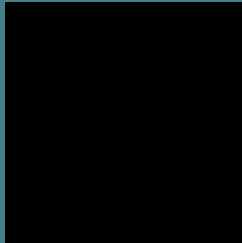
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 20.277, 209.231

Background



This preview shows how black text looks on a background with the CIELCh color 50, 20.277, 209.231.



This preview shows how white text looks on a background with the CIELCh color 50, 20.277, 209.231.

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, 20.277, 209.231

Protanopia

50, 5.858, 290.945

Deuteranopia

50, 13.070, 300.132



Tritanopia
50, 20.146, 214.600

Trichromacy



Original Color
50, 20.277, 209.231

Protanomaly
50, 9.849, 231.187

Deuteranomaly
50, 11.916, 256.100

Tritanomaly
50, 20.091, 212.873

Monochromacy



Original Color
50, 20.277, 209.231

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 8.505, 210.630

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 20.277, 209.231 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(67, 128, 135)` looks like.

```
.text, #text, p{  
    color:rgb(67, 128, 135)  
}
```

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(67, 128, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 128, 135) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 20.277, 209.231 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(67, 128, 135) }
```

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

```
.border{ border-color:rgb(67, 128, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 128, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(67, 128, 135); -webkit-box-shadow:4px 4px 4px 4px rgb(67, 128, 135); box-shadow:4px 4px 4px 4px rgb(67, 128, 135) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 20.277, 209.231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 128, 135) }
```

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

```
.background{ background-color: rgb(67, 128,  
135) }
```

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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