

Converting Colors

CIELCh(50, 20.629, 168.145)

Have a look what the booklet for
CIELCh(50, 20.629, 168.145)
contains.

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Color

CIELCh(50, 20.539, 168.259)

Conversions

Conversions Part 1

Format	Color
Hex	51806F
RGB	81, 128, 111
RGB Percent	32%, 50%, 44%
CMY	0.6814, 0.4970, 0.5637
CMYK	0.37, 0.00, 0.13, 0.50
HSL	158°, 22%, 41%
HSV	158°, 37%, 50%
XYZ	14.0502, 18.4187, 17.9252
YIQ	112.0090, -22.5550, -15.2510

Conversions

Conversions Part 2

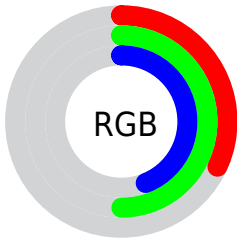
Format	Color
R_{YB}	81, 110, 128
Decimal	5341295
CIE _{Lab}	50.00, -20.11, 4.18
CIE _{LCh}	50, 20.539, 168.259
Yxy	18.4187, 0.2788, 0.3655
Android (android.graphics.Color)	4283531375 (0xFF51806F)
YUV	112.0090, -0.4974, -27.1949
Hunter-Lab	42.9170, -16.6672, 5.2781

Details

The CIELCh color **50, 20.539, 168.259** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **40, 22.297, 355.744**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 20.436, 168.873**, and **30, 21.023, 167.209** is the 20% darker color. If you saturate the color by 10%, you get **49, 25.645, 167.052**, and if you desaturate by 10%, it is **51, 15.145, 169.353**.

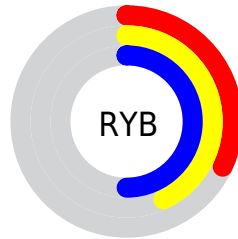
Distribution



Red (32%)

Green (50%)

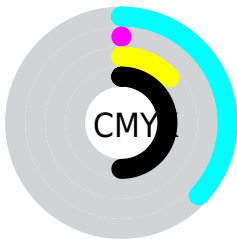
Blue (44%)



Red (32%)

Yellow (43%)

Blue (50%)

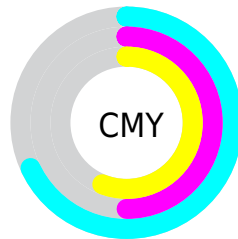


Cyan (37%)

Magenta (0%)

Yellow (13%)

Black (50%)



Cyan (68%)


Magenta (50%)


Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 20.539, 168.259 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, 20.539, 168.259 by changing the saturation by 10% instead.


 50, 20.539,
168.259


 50, 20.539,
168.259


 100, 20.539,
168.259


 40, 20.539,
168.259


 70, 20.539,
168.259

 30, 20.539,
168.259


 80, 20.539,
168.259


 20, 20.539,
168.259

 90, 20.539,
168.259

 10, 20.539,
168.259

 0, 20.539, 168.259

 50, 20.539,
168.259

 50, 20.539,
168.259

■ 49, 25.645,
167.052

■ 51, 15.145,
169.353

■ 49, 30.372,
165.714

■ 52, 9.549, 170.362

■ 48, 34.640,
164.221

■ 53, 3.831, 171.331

■ 48, 38.388,
162.552

■ 54, 1.938, 351.928

■ 47, 41.587,
160.691

■ 57, 13.419,
353.619

■ 47, 44.309,
158.683

■ 58, 19.053,
354.336

■ 47, 45.202,
158.043

■ 60, 24.583,
355.013

■ 61, 29.992,
355.657

Harmonies

Complementary

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



50, 20.539, 168.259



40, 22.297, 355.744

Rectangle

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



50, 20.539, 168.259



50, 20.539, 218.259



50, 20.539, 348.259



50, 20.539, 38.259

Sweetspot

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



50, 20.540, 168.257



66, 7.803, 170.883



50, 29.780, 131.938



35, 5.281, 170.776



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, 20.540, 168.257



63, 29.936, 167.259



49, 14.765, 212.545



26, 3.229, 171.090



47, 44.998, 158.058



0, 0.000, 0.000

Inverse Universe

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



40, 22.297, 355.744



49, 33.096, 356.996



41, 19.083, 33.121



25, 3.295, 352.568



26, 50.926, 13.466



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 50, 20.539, 168.259 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 CIE LCh color 50, 20.539, 168.259 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, 20.539, 168.259

Background



This preview shows how black text looks on a background with the CIELCh color 50, 20.539, 168.259.

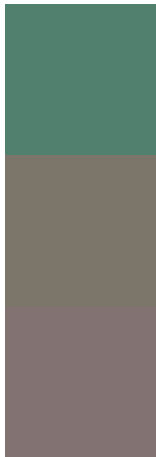


This preview shows how white text looks on a background with the CIELCh color 50, 20.539, 168.259.

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, 20.539, 168.259

Protanopia
50, 7.430, 89.366

Deuteranopia
50, 7.051, 20.175



Tritanopia
50, 14.385, 222.345

Trichromacy



Original Color
50, 20.539, 168.259

Protanomaly
50, 10.018, 143.806

Deuteranomaly
49, 4.291, 144.211

Tritanomaly
50, 14.855, 197.873

Monochromacy



Original Color
50, 20.539, 168.259

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 7.681, 171.166

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 20.539, 168.259 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(81, 128, 111)` looks like.

```
.text, #text, p{  
    color:rgb(81, 128, 111)  
}
```

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(81, 128, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 128, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 20.539, 168.259 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(81, 128, 111) }
```

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

```
.border{ border-color:rgb(81, 128, 111) }
```

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

Here you see how a box with a 4 pixel rgb(81, 128, 111) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 128, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 128, 111);  
box-shadow:4px 4px 4px 4px rgb(81, 128,  
111) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 20.539, 168.259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 128, 111) }
```

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

```
.background{ background-color: rgb(81, 128,  
111) }
```

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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