

Converting Colors

CIELCh(50, 21.970, 161.708)

Have a look what the booklet for
CIELCh(50, 21.970, 161.708)
contains.

CIELCh(50, 21.692, 162.688)	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, 21.692, 162.688)

Conversions

Conversions Part 1

Format	Color
Hex	52806B
RGB	82, 128, 107
RGB Percent	32%, 50%, 42%
CMY	0.6770, 0.4965, 0.5789
CMYK	0.36, 0.00, 0.16, 0.50
HSL	153°, 22%, 41%
HSV	153°, 36%, 50%
XYZ	13.9547, 18.4187, 16.8319
YIQ	111.8520, -20.6750, -16.2830

Conversions

Conversions Part 2

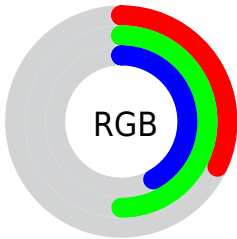
Format	Color
R_{YB}	82, 112, 128
Decimal	5406827
CIE _{Lab}	50.00, -20.71, 6.45
CIE _{LCh}	50, 21.692, 162.688
Yxy	18.4187, 0.2836, 0.3743
Android (android.graphics.Color)	4283596907 (0xFF52806B)
YUV	111.8520, -2.3920, -26.1802
Hunter-Lab	42.9170, -17.0642, 6.7886

Details

The CIELCh color $50, 21.692, 162.688$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $41, 22.855, 349.526$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $70, 21.799, 162.378$, and $30, 22.009, 162.792$ is the 20% darker color. If you saturate the color by 10%, you get $49, 27.351, 161.493$, and if you desaturate by 10%, it is $51, 15.787, 163.759$.

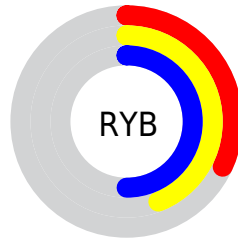
Distribution



Red (32%)

Green (50%)

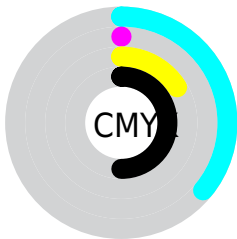
Blue (42%)



Red (32%)

Yellow (44%)

Blue (50%)

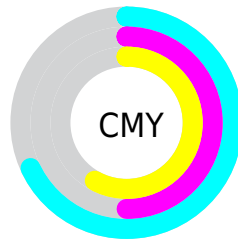


Cyan (36%)

Magenta (0%)

Yellow (16%)

Black (50%)



Cyan (68%)

Magenta (50%)


Yellow (58%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 21.692, 162.688 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, 21.692, 162.688 by changing the saturation by 10% instead.


 50, 21.692,
162.688


 50, 21.692,
162.688

 100, 21.692,
162.688


 40, 21.692,
162.688

 70, 21.692,
162.688

 30, 21.692,
162.688

 80, 21.692,
162.688

 20, 21.692,
162.688

 90, 21.692,
162.688

 10, 21.692,
162.688

 0, 21.692, 162.688

 50, 21.692,
162.688

 50, 21.692,
162.688

■ 49, 27.351,
161.493

■ 51, 15.787,
163.759

■ 49, 32.664,
160.153

■ 52, 9.724, 164.732

■ 48, 37.542,
158.646

■ 53, 3.587, 165.659

■ 54, 2.557, 346.255

■ 48, 41.910,
156.952

■ 56, 8.652, 347.076

■ 47, 45.727,
155.060

■ 57, 14.659,
347.775

■ 47, 49.032,
153.007

■ 58, 20.547,
348.420

■ 47, 50.362,
152.199

■ 60, 26.298,
349.024

■ 62, 31.898,
349.593

Harmonies

Complementary

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



50, 21.692, 162.688



41, 22.855, 349.526

Rectangle

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



50, 21.692, 162.688



50, 21.692, 212.688



50, 21.692, 342.688



50, 21.692, 32.688

Sweetspot

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



50, 21.693, 162.687



66, 8.327, 165.156



51, 28.350, 128.633



35, 5.638, 165.054



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, 21.693, 162.687



63, 31.711, 161.726



50, 15.836, 201.071



26, 3.443, 165.354



47, 50.094, 152.216



0, 0.000, 0.000

Inverse Universe

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



41, 22.855, 349.526



49, 33.751, 350.576



41, 20.215, 24.897



25, 3.492, 346.754



26, 50.539, 4.546



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 50, 21.692, 162.688 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, 21.692, 162.688 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

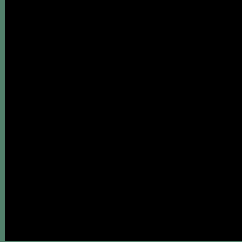
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 21.692, 162.688

Background



This preview shows how black text looks on a background with the CIELCh color 50, 21.692, 162.688.

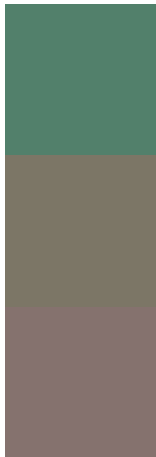


This preview shows how white text looks on a background with the CIELCh color 50, 21.692, 162.688.

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, 21.692, 162.688

Protanopia

50, 9.663, 93.599

Deuteranopia

50, 8.341, 36.402



Tritanopia
50, 14.102, 222.885

Trichromacy



Original Color
50, 21.692, 162.688

Protanomaly
50, 11.822, 135.813

Deuteranomaly
49, 6.078, 125.120

Tritanomaly
50, 14.622, 195.578

Monochromacy



Original Color
50, 21.692, 162.688

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 8.339, 164.103

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 21.692, 162.688 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(82, 128, 107)` looks like.

```
.text, #text, p{  
    color:rgb(82, 128, 107)  
}
```

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(82, 128, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 128, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 21.692, 162.688 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(82, 128, 107) }
```

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

```
.border{ border-color:rgb(82, 128, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 128, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 128, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 128, 107);  
box-shadow:4px 4px 4px 4px rgb(82, 128,  
107) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 21.692, 162.688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 128, 107) }
```

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

```
.background{ background-color: rgb(82, 128,  
107) }
```

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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