

Converting Colors

CIELCh(51, 17.093, 154.015)

Have a look what the booklet for
CIELCh(51, 17.093, 154.015)
contains.

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Color

CIELCh(51, 17.474, 153.411)

Conversions

Conversions Part 1

Format	Color
Hex	62816C
RGB	98, 129, 108
RGB Percent	38%, 51%, 42%
CMY	0.6169, 0.4954, 0.5777
CMYK	0.24, 0.00, 0.16, 0.50
HSL	139°, 14%, 44%
HSV	139°, 24%, 50%
XYZ	15.4994, 19.2686, 17.0008
YIQ	117.3370, -11.7350, -13.1030

Conversions

Conversions Part 2

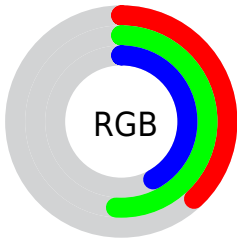
Format	Color
R_{YB}	98, 121, 129
Decimal	6455660
CIE Lab	51.00, -15.63, 7.82
CIE LCh	51, 17.474, 153.411
Yxy	19.2686, 0.2994, 0.3722
Android (android.graphics.Color)	4284645740 (0xFF62816C)
YUV	117.3370, -4.6031, -16.9585
Hunter-Lab	43.8960, -13.7910, 7.7643

Details

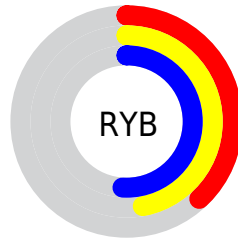
The CIELCh color $51, 17.474, 153.411$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $45, 17.661, 336.892$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 17.720, 153.086$, and $31, 17.419, 153.351$ is the 20% darker color. If you saturate the color by 10%, you get $50, 24.657, 152.466$, and if you desaturate by 10%, it is $52, 10.207, 154.244$.

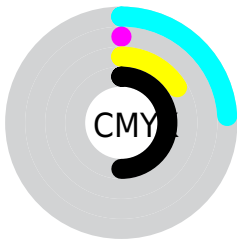
Distribution



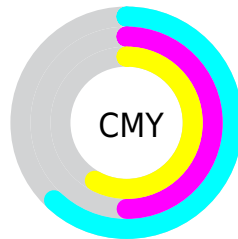
- Red (38%)
- Green (51%)
- Blue (42%)



- Red (38%)
- Yellow (47%)
- Blue (51%)



- Cyan (24%)
- Magenta (0%)
- Yellow (16%)
- Black (50%)





- Cyan (62%)
- Magenta (50%)
- Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 17.474, 153.411 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 51, 17.474, 153.411 by changing the saturation by 10% instead.


 51, 17.474,
153.411


 51, 17.474,
153.411


 100, 17.474,
153.411


 41, 17.474,
153.411


 71, 17.474,
153.411

 31, 17.474,
153.411

 81, 17.474,
153.411

 21, 17.474,
153.411

 91, 17.474,
153.411

 11, 17.474,
153.411

 1, 17.474, 153.411

 0, 17.474, 153.411

■ 51, 17.474,
153.411

■ 51, 17.474,
153.411

■ 50, 24.657,
152.466

■ 52, 10.207,
154.244

■ 49, 31.646,
151.387

■ 53, 2.943, 155.030

■ 48, 38.318,
150.155

■ 55, 4.246, 335.528

■ 48, 44.549,
148.754

■ 56, 11.307,
336.137

■ 47, 50.219,
147.175

■ 58, 18.204,
336.659

■ 47, 55.231,
145.427

■ 59, 24.913,
337.127

■ 47, 59.532,
143.553

■ 61, 31.421,
337.551

■ 47, 61.859,

■ 63, 37.722,
337.938

142.535

 64, 43.816,
338.294

Harmonies

Complementary

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



51, 17.474, 153.411



45, 17.661, 336.892

Rectangle

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



51, 17.474, 153.411



51, 17.474, 203.411



51, 17.474, 333.411



51, 17.474, 23.411

Sweetspot

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



51, 17.475, 153.410



68, 6.298, 154.780



52, 18.264, 121.122



35, 4.074, 154.746



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



51, 17.475, 153.410



65, 26.176, 152.896



51, 12.294, 182.471



26, 4.045, 154.631



46, 61.423, 142.556



0, 0.000, 0.000

Inverse Universe

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



45, 17.661, 336.892



56, 26.500, 337.328



45, 13.577, 6.917



25, 4.068, 335.788



27, 54.778, 345.837



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 51, 17.474, 153.411 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 51, 17.474, 153.411 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

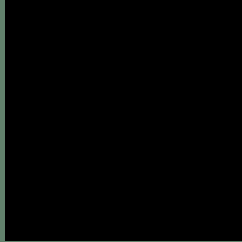
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

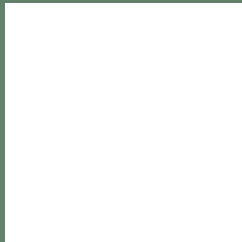
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 51, 17.474, 153.411

Background



This preview shows how black text looks on a background with the CIELCh color 51, 17.474, 153.411.



This preview shows how white text looks on a background with the CIELCh color 51, 17.474, 153.411.

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


51, 17.474, 153.411

Protanopia

51, 10.181, 94.392

Deuteranopia

51, 9.408, 45.676



Tritanopia
51, 9.822, 235.323

Trichromacy



Original Color
51, 17.474, 153.411

Protanomaly
51, 11.519, 125.560

Deuteranomaly
51, 7.013, 102.442

Tritanomaly
51, 9.527, 194.905

Monochromacy



Original Color
51, 17.474, 153.411

Achromatopsia
49, 0.007, 296.813

Achromatomaly
50, 6.064, 156.377

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 17.474, 153.411 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(98, 129, 108)` looks like.

```
.text, #text, p{  
    color:rgb(98, 129, 108)  
}
```

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(98, 129, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 129, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 17.474, 153.411 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(98, 129, 108) }
```

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

```
.border{ border-color:rgb(98, 129, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 129, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 129, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 129, 108);  
box-shadow:4px 4px 4px 4px rgb(98, 129,  
108) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 17.474, 153.411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 129, 108) }
```

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

```
.background{ background-color: rgb(98, 129,  
108) }
```

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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