

Converting Colors

CIELCh(51, 25.384, 148.060)

Have a look what the booklet for
CIELCh(51, 25.384, 148.060)
contains.

CIELCh(51, 25.328, 148.072)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(51, 25.328, 148.072)

Conversions

Conversions Part 1

Format	Color
Hex	5A8362
RGB	90, 131, 98
RGB Percent	35%, 51%, 38%
CMY	0.6473, 0.4865, 0.6159
CMYK	0.31, 0.00, 0.25, 0.49
HSL	132°, 19%, 43%
HSV	132°, 31%, 51%
XYZ	14.5215, 19.2686, 14.4955
YIQ	114.9790, -13.8430, -18.9550

Conversions

Conversions Part 2

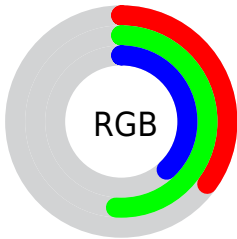
Format	Color
R_{YB}	90, 124, 131
Decimal	5931874
CIE _{Lab}	51.00, -21.50, 13.39
CIE _{LCh}	51, 25.328, 148.072
Yxy	19.2686, 0.3007, 0.3991
Android (android.graphics.Color)	4284121954 (0xFF5A8362)
YUV	114.9790, -8.3706, -21.9066
Hunter-Lab	43.8960, -17.7676, 11.1482

Details

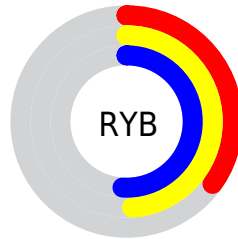
The CIELCh color $51, 25.328, 148.072$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $44, 25.432, 332.286$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $71, 25.147, 148.398$, and $31, 25.295, 147.840$ is the 20% darker color. If you saturate the color by 10%, you get $50, 33.237, 147.091$, and if you desaturate by 10%, it is $52, 17.250, 148.925$.

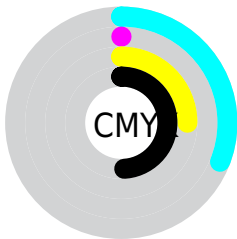
Distribution



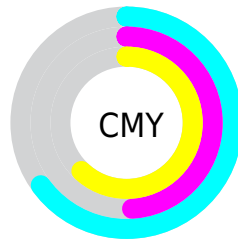
- Red (35%)
- Green (51%)
- Blue (38%)



- Red (35%)
- Yellow (49%)
- Blue (51%)



- Cyan (31%)
- Magenta (0%)
- Yellow (25%)
- Black (49%)





- Cyan (65%)
- Magenta (49%)
- Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 25.328, 148.072 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, 25.328, 148.072 by changing the saturation by 10% instead.


 51, 25.328,
148.072


 51, 25.328,
148.072


 100, 25.328,
148.072


 41, 25.328,
148.072


 71, 25.328,
148.072

 31, 25.328,
148.072

 81, 25.328,
148.072

 21, 25.328,
148.072

 91, 25.328,
148.072

 11, 25.328,
148.072

 1, 25.328, 148.072

 0, 25.328, 148.072

■ 51, 25.328,
148.072

■ 51, 25.328,
148.072

■ 50, 33.237,
147.091

■ 52, 17.250,
148.925

■ 49, 40.830,
145.966

■ 53, 9.123, 149.671

■ 55, 1.045, 150.498

■ 49, 47.943,
144.691

■ 56, 6.911, 330.804

■ 48, 54.406,
143.273

■ 58, 14.693,
331.305

■ 48, 60.053,
141.742

■ 59, 22.269,
331.736

■ 48, 64.733,
140.160

■ 61, 29.617,
332.114

■ 47, 68.060,
138.957

■ 63, 36.728,
332.450

■ 65, 43.602,
332.750

Harmonies

Complementary

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



51, 25.328, 148.072



44, 25.432, 332.286

Rectangle

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



51, 25.328, 148.072



51, 25.328, 198.072



51, 25.328, 328.072



51, 25.328, 18.072

Sweetspot

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



51, 25.329, 148.072



68, 9.011, 149.818



53, 23.536, 115.225



36, 6.315, 149.729



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



51, 25.329, 148.072



65, 38.066, 147.342



51, 17.403, 171.835



27, 4.590, 149.823



47, 67.704, 138.968



1, 1.096, 150.363

Inverse Universe

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



44, 25.432, 332.286



53, 38.185, 332.785



43, 18.924, 358.127



26, 4.604, 330.873



29, 60.519, 337.526



0, 1.096, 330.357

Previews

White Background



This preview shows how the CIELCh color 51, 25.328, 148.072 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, 25.328, 148.072 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, 25.328, 148.072

Background



This preview shows how black text looks on a background with the CIELCh color 51, 25.328, 148.072.



This preview shows how white text looks on a background with the CIELCh color 51, 25.328, 148.072.

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, 25.328, 148.072

Protanopia
51, 16.578, 95.851

Deuteranopia
51, 13.697, 59.435



Tritanopia
51, 11.803, 228.264

Trichromacy



Original Color
51, 25.328, 148.072

Protanomaly
51, 17.826, 121.784

Deuteranomaly
50, 12.184, 106.571

Tritanomaly
51, 13.381, 182.793

Monochromacy



Original Color
51, 25.328, 148.072

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 9.344, 149.767

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 25.328, 148.072 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(90, 131, 98)` looks like.

```
.text, #text, p{  
    color:rgb(90, 131, 98)  
}
```

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(90, 131, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 131, 98) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 25.328, 148.072 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(90, 131, 98) }
```

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

```
.border{ border-color:rgb(90, 131, 98) }
```

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

Here you see how a box with a 4 pixel rgb(90, 131, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 131, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 131, 98);  
box-shadow:4px 4px 4px 4px rgb(90, 131,  
98) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 25.328, 148.072 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 131, 98) }
```

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

```
.background{ background-color: rgb(90, 131,  
98) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor