

Converting Colors

CIELCh(51, 28.843, 153.033)

Have a look what the booklet for
CIELCh(51, 28.843, 153.033)
contains.

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Color

CIELCh(51, 29.113, 152.527)

Conversions

Conversions Part 1

Format	Color
Hex	508562
RGB	80, 133, 98
RGB Percent	31%, 52%, 38%
CMY	0.6873, 0.4795, 0.6167
CMYK	0.40, 0.00, 0.26, 0.48
HSL	140°, 25%, 42%
HSV	140°, 40%, 52%
XYZ	13.8265, 19.2686, 14.4802
YIQ	113.1630, -20.3530, -22.1210

Conversions

Conversions Part 2

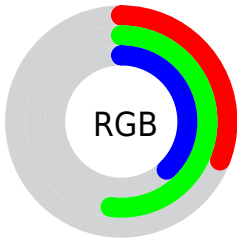
Format	Color
RYB	80, 120, 133
Decimal	5277026
CIELab	51.00, -25.83, 13.43
CIELCh	51, 29.113, 152.527
Yxy	19.2686, 0.2906, 0.4050
Android (android.graphics.Color)	4283467106 (0xFF508562)
YUV	113.1630, -7.4754, -29.0840
Hunter-Lab	43.8960, -20.5934, 11.1689

Details

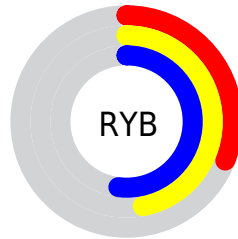
The CIELCh color $51, 29.113, 152.527$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $41, 29.582, 338.978$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $71, 28.846, 153.004$, and $31, 29.325, 152.267$ is the 20% darker color. If you saturate the color by 10%, you get $50, 36.003, 151.347$, and if you desaturate by 10%, it is $52, 21.953, 153.560$.

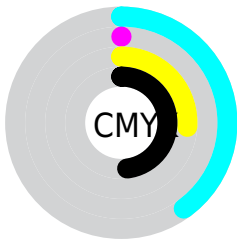
Distribution



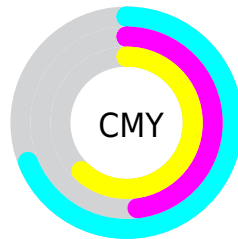
- Red (31%)
- Green (52%)
- Blue (38%)



- Red (31%)
- Yellow (47%)
- Blue (52%)



- Cyan (40%)
- Magenta (0%)
- Yellow (26%)
- Black (48%)





- Cyan (69%)
- Magenta (48%)
- Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 29.113, 152.527 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, 29.113, 152.527 by changing the saturation by 10% instead.


 51, 29.113,
152.527


 51, 29.113,
152.527


 100, 29.113,
152.527


 41, 29.113,
152.527


 71, 29.113,
152.527


 31, 29.113,
152.527


 81, 29.113,
152.527

 21, 29.113,
152.527

 91, 29.113,
152.527

 11, 29.113,
152.527

 1, 29.113, 152.527

 0, 29.113, 152.527

■ 51, 29.113,
152.527

■ 51, 29.113,
152.527

■ 50, 36.003,
151.347

■ 52, 21.953,
153.560

■ 50, 42.493,
150.001

■ 53, 14.639,
154.468

■ 49, 48.462,
148.477

■ 54, 7.274, 155.279

■ 49, 53.804,
146.772

■ 55, 0.059, 331.539

■ 57, 7.294, 336.534

■ 48, 58.446,
144.907

■ 58, 14.386,
337.110

■ 48, 62.498,
143.063

■ 60, 21.302,
337.621

■ 48, 62.527,
143.051

■ 62, 28.021,
338.082

■ 63, 34.535,
338.503

Harmonies

Complementary

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



51, 29.113, 152.527



41, 29.582, 338.978

Rectangle

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



51, 29.113, 152.527



51, 29.113, 202.527



51, 29.113, 332.527



51, 29.113, 22.527

Sweetspot

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



51, 29.114, 152.527



69, 10.950, 155.095



53, 30.866, 120.930



36, 7.235, 155.012



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, 29.114, 152.527



65, 43.111, 151.450



52, 19.872, 182.320



27, 4.128, 155.342



47, 61.552, 143.096



1, 0.987, 155.945

Inverse Universe

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



41, 29.582, 338.978



50, 43.758, 339.833



40, 23.829, 10.469



26, 4.152, 336.526



28, 54.991, 347.156



0, 0.987, 335.938

Previews

White Background



This preview shows how the CIELCh color 51, 29.113, 152.527 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, 29.113, 152.527 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

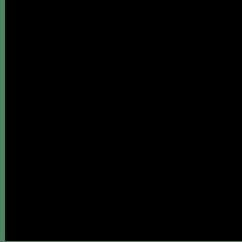
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 29.113, 152.527

Background



This preview shows how black text looks on a background with the CIELCh color 51, 29.113, 152.527.



This preview shows how white text looks on a background with the CIELCh color 51, 29.113, 152.527.

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, 29.113, 152.527

Protanopia
51, 17.141, 96.153

Deuteranopia
51, 13.354, 60.623



Tritanopia
51, 14.548, 224.568

Trichromacy



Original Color
51, 29.113, 152.527

Protanomaly
51, 18.875, 126.228

Deuteranomaly
50, 12.937, 117.922

Tritanomaly
51, 16.289, 185.239

Monochromacy



Original Color
51, 29.113, 152.527

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 10.897, 153.834

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 29.113, 152.527 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(80, 133, 98)` looks like.

```
.text, #text, p{  
    color:rgb(80, 133, 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(80, 133, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 133, 98) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 29.113, 152.527 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(80, 133, 98) }
```

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

```
.border{ border-color:rgb(80, 133, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 133, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 133, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 133, 98);  
box-shadow:4px 4px 4px 4px rgb(80, 133,  
98) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 29.113, 152.527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 133, 98) }
```

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

```
.background{ background-color: rgb(80, 133,  
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](#).

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