

Converting Colors

CIELCh(52, 31.335, 163.588)

Have a look what the booklet for
CIELCh(52, 31.335, 163.588)
contains.

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Color

CIELCh(52, 31.132, 163.679)

Conversions

Conversions Part 1

Format	Color
Hex	41896C
RGB	65, 137, 108
RGB Percent	25%, 54%, 42%
CMY	0.7445, 0.4622, 0.5760
CMYK	0.53, 0.00, 0.21, 0.46
HSL	156°, 36%, 40%
HSV	156°, 53%, 54%
XYZ	13.8680, 20.1443, 17.3809
YIQ	112.1660, -33.6030, -24.2830

Conversions

Conversions Part 2

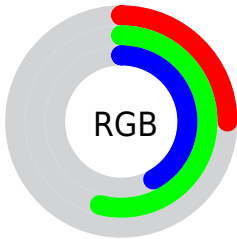
Format	Color
RYB	65, 110, 137
Decimal	4295020
CIELab	52.00, -29.88, 8.75
CIElCh	52, 31.132, 163.679
Yxy	20.1443, 0.2698, 0.3920
Android (android.graphics.Color)	4282485100 (0xFF41896C)
YUV	112.1660, -2.0538, -41.3646
Hunter-Lab	44.8824, -23.3903, 8.4574

Details

The CIELCh color $52, 31.132, 163.679$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $38, 34.222, 355.490$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $72, 31.375, 163.298$, and $32, 30.670, 164.323$ is the 20% darker color. If you saturate the color by 10%, you get $51, 36.089, 162.220$, and if you desaturate by 10%, it is $53, 25.730, 164.980$.

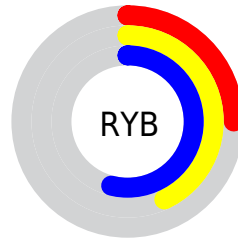
Distribution



Red (25%)

Green (54%)

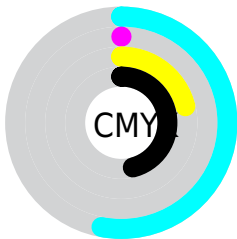
Blue (42%)



Red (25%)

Yellow (43%)

Blue (54%)

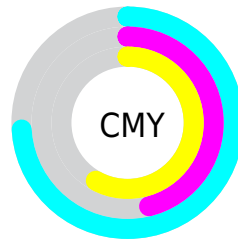


Cyan (53%)

Magenta (0%)

Yellow (21%)

Black (46%)



Cyan (74%)


Magenta (46%)


Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 31.132, 163.679 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 52, 31.132, 163.679 by changing the saturation by 10% instead.


 52, 31.132,
163.679


 52, 31.132,
163.679


 100, 31.132,
163.679


 42, 31.132,
163.679


 72, 31.132,
163.679

 32, 31.132,
163.679

 82, 31.132,
163.679

 22, 31.132,
163.679

 92, 31.132,
163.679

 12, 31.132,
163.679

 2, 31.132, 163.679

 0, 31.132, 163.679

■ 52, 31.132,
163.679

■ 52, 31.132,
163.679

■ 51, 36.089,
162.220

■ 53, 25.730,
164.980

■ 51, 40.521,
160.585

■ 54, 19.976,
166.150

■ 51, 44.379,
158.755

■ 55, 13.970,
167.210

■ 50, 47.657,
156.726

■ 56, 7.804, 168.188

■ 57, 1.560, 169.239

■ 50, 49.908,
155.202

■ 58, 4.693, 349.768

■ 60, 10.901,
350.567

■ 61, 17.024,
351.289

■ 63, 23.033,
351.963

Harmonies

Complementary

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



52, 31.132, 163.679



38, 34.222, 355.490

Rectangle

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



52, 31.132, 163.679



52, 31.132, 213.679



52, 31.132, 343.679



52, 31.132, 33.679

Sweetspot

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



52, 31.133, 163.678



70, 12.368, 167.819



53, 43.801, 129.574



36, 8.310, 167.649



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



52, 31.133, 163.678



66, 44.858, 161.926



51, 21.509, 206.802



29, 3.538, 168.506



49, 48.634, 155.282



1, 1.648, 169.244

Inverse Universe

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



38, 34.222, 355.490



45, 49.856, 357.877



38, 31.830, 30.746



27, 3.601, 349.979



27, 52.046, 9.820



0, 1.649, 349.232

Previews

White Background



This preview shows how the CIELCh color 52, 31.132, 163.679 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 52, 31.132, 163.679 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 52, 31.132, 163.679

Background



This preview shows how black text looks on a background with the CIELCh color 52, 31.132, 163.679.



This preview shows how white text looks on a background with the CIELCh color 52, 31.132, 163.679.

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
52, 31.132, 163.679

Protanopia
52, 13.062, 95.233

Deuteranopia
52, 9.374, 45.685



Tritanopia
52, 19.527, 216.981

Trichromacy



Original Color
52, 31.132, 163.679

Protanomaly
51, 16.623, 141.174

Deuteranomaly
51, 10.445, 142.034

Tritanomaly
52, 21.694, 191.035

Monochromacy



Original Color
52, 31.132, 163.679

Achromatopsia
47, 0.006, 296.813

Achromatomaly
49, 11.894, 168.460

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 31.132, 163.679 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(65, 137, 108)` looks like.

```
.text, #text, p{  
    color:rgb(65, 137, 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(65, 137, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 137, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 31.132, 163.679 is called "border". The border property can be set on classes, ids or directly on the HTML element.

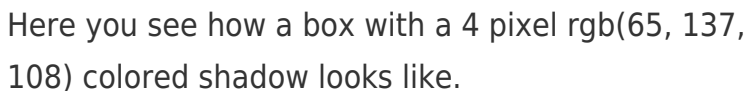
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(65, 137, 108) }
```

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

```
.border{ border-color:rgb(65, 137, 108) }
```

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



Here you see how a box with a 4 pixel `rgb(65, 137, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 137, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 137, 108);  
box-shadow:4px 4px 4px 4px rgb(65, 137,  
108) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 31.132, 163.679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 137, 108) }
```

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

```
.background{ background-color: rgb(65, 137,  
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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