

Converting Colors

CIELCh(48, 51.641, 144.341)

Have a look what the booklet for
CIELCh(48, 51.641, 144.341)
contains.

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Color

CIELCh(48, 51.650, 144.272)

Conversions

Conversions Part 1

Format	Color
Hex	29823C
RGB	41, 130, 60
RGB Percent	16%, 51%, 24%
CMY	0.8387, 0.4898, 0.7643
CMYK	0.68, 0.00, 0.54, 0.49
HSL	133°, 52%, 34%
HSV	133°, 68%, 51%
XYZ	9.7342, 16.7945, 7.0168
YIQ	95.4090, -30.5740, -40.6380

Conversions

Conversions Part 2

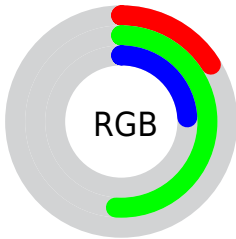
Format	Color
R_{YB}	41, 114, 130
Decimal	2720316
CIE _{Lab}	48.00, -41.93, 30.16
CIE _{LCh}	48, 51.650, 144.272
Yxy	16.7945, 0.2902, 0.5006
Android (android.graphics.Color)	4280910396 (0xFF29823C)
YUV	95.4090, -17.4566, -47.7167
Hunter-Lab	40.9810, -29.3177, 18.5350

Details

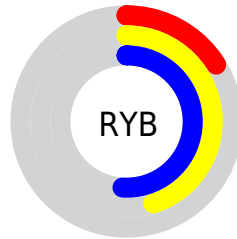
The CIELCh color $48, 51.650, 144.272$ is a dark color, and the websafe version is hex 006633 . A complement of this color would be $33, 50.576, 335.643$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 51.759, 144.251$, and $28, 47.226, 139.403$ is the 20% darker color. If you saturate the color by 10%, you get $48, 57.480, 142.743$, and if you desaturate by 10%, it is $49, 45.085, 145.667$.

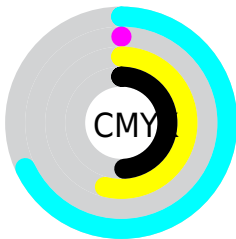
Distribution



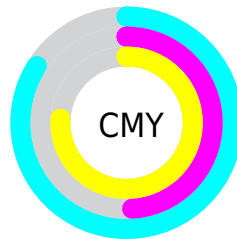
- Red (16%)
- Green (51%)
- Blue (24%)



- Red (16%)
- Yellow (45%)
- Blue (51%)



- Cyan (68%)
- Magenta (0%)
- Yellow (54%)
- Black (49%)





- Cyan (84%)
- Magenta (49%)
- Yellow (76%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 51.650, 144.272 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 48, 51.650, 144.272 by changing the saturation by 10% instead.


 48, 51.650,
144.272


 48, 51.650,
144.272


 100, 51.650,
144.272


 38, 51.650,
144.272

 68, 51.650,
144.272


 28, 51.650,
144.272

 78, 51.650,
144.272

 18, 51.650,
144.272

 88, 51.650,
144.272

 8, 51.650, 144.272

 98, 51.650,
144.272

 0, 51.650, 144.272

 48, 51.650,

 48, 51.650,

144.272

144.272

■ 48, 57.480,
142.743

■ 49, 45.085,
145.667

■ 47, 62.431,
141.125

■ 49, 37.942,
146.908

■ 47, 66.477,
139.587

■ 50, 30.383,
147.998

■ 47, 67.067,
139.383

■ 51, 22.559,
148.947

■ 52, 14.605,
149.773

■ 53, 6.632, 150.503

■ 55, 1.271, 330.908

■ 56, 9.039, 331.603

■ 58, 16.628,

Harmonies

Complementary

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



48, 51.650, 144.272



33, 50.576, 335.643

Rectangle

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



48, 51.650, 144.272



48, 51.650, 194.272



48, 51.650, 324.272



48, 51.650, 14.272

Sweetspot

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



48, 51.650, 144.272



66, 20.595, 149.530



51, 48.285, 113.963



34, 13.877, 149.345



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



48, 51.650, 144.272



61, 72.776, 141.866



49, 33.669, 168.217



27, 4.530, 150.450



47, 67.045, 139.383



1, 1.081, 150.997

Inverse Universe

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



33, 50.576, 335.643



40, 68.599, 336.970



31, 40.636, 6.640



26, 4.545, 331.514



29, 59.736, 338.589



0, 1.082, 330.991

Previews

White Background



This preview shows how the CIELCh color 48, 51.650, 144.272 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 CIE LCh color 48, 51.650, 144.272 looks on a black 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

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

CIELCh 48, 51.650, 144.272

Background



This preview shows how black text looks on a background with the CIELCh color 48, 51.650, 144.272.



This preview shows how white text looks on a background with the CIELCh color 48, 51.650, 144.272.

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

48, 51.650, 144.272

Protanopia

48, 33.663, 95.843

Deuteranopia

48, 28.642, 77.100



Tritanopia
48, 19.851, 214.994

Trichromacy



Original Color
48, 51.650, 144.272

Protanomaly
47, 36.784, 122.542

Deuteranomaly
47, 30.437, 117.258

Tritanomaly
48, 27.231, 172.139

Monochromacy



Original Color
48, 51.650, 144.272

Achromatopsia
41, 0.006, 296.813

Achromatomaly
43, 20.120, 149.080

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 51.650, 144.272 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(41, 130, 60)` looks like.

```
.text, #text, p{  
    color:rgb(41, 130, 60)  
}
```

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(41, 130, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 130, 60) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 51.650, 144.272 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(41, 130, 60) }
```

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

```
.border{ border-color:rgb(41, 130, 60) }
```

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

Here you see how a box with a 4 pixel rgb(41, 130, 60) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 130, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 130, 60);  
box-shadow:4px 4px 4px 4px rgb(41, 130,  
60) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 51.650, 144.272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 130, 60) }
```

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

```
.background{ background-color: rgb(41, 130,  
60) }
```

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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