

Converting Colors

CIELCh(48, 42.372, 154.041)

Have a look what the booklet for
CIELCh(48, 42.372, 154.041)
contains.

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Color

CIELCh(48, 42.372, 154.041)

Conversions

Conversions Part 1

Format	Color
Hex	278151
RGB	39, 129, 81
RGB Percent	15%, 51%, 32%
CMY	0.8460, 0.4932, 0.6815
CMYK	0.70, 0.00, 0.37, 0.49
HSL	148°, 53%, 33%
HSV	148°, 70%, 51%
XYZ	10.2205, 16.7945, 10.5284
YIQ	96.6180, -38.2320, -34.0080

Conversions

Conversions Part 2

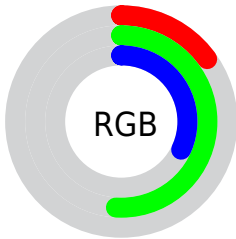
Format	Color
R_{YB}	39, 100, 129
Decimal	2589009
CIE _{Lab}	48.00, -38.10, 18.55
CIE _{LCh}	48, 42.372, 154.041
Yxy	16.7945, 0.2722, 0.4473
Android (android.graphics.Color)	4280779089 (0xFF278151)
YUV	96.6180, -7.6997, -50.5310
Hunter-Lab	40.9810, -27.1996, 13.4546

Details

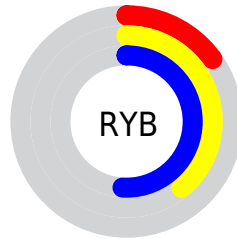
The CIELCh color **48, 42.372, 154.041** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **31, 43.836, 349.766**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 42.423, 154.117**, and **29, 37.973, 149.279** is the 20% darker color. If you saturate the color by 10%, you get **48, 47.000, 152.278**, and if you desaturate by 10%, it is **49, 37.200, 155.609**.

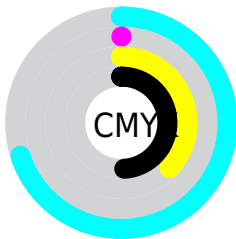
Distribution



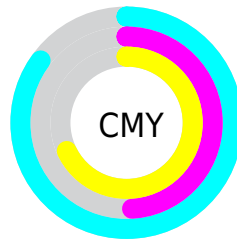
- Red (15%)
- Green (51%)
- Blue (32%)



- Red (15%)
- Yellow (39%)
- Blue (51%)



- Cyan (70%)
- Magenta (0%)
- Yellow (37%)
- Black (49%)





- Cyan (85%)
- Magenta (49%)
- Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 42.372, 154.041 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, 42.372, 154.041 by changing the saturation by 10% instead.


 48, 42.372,
154.041


 48, 42.372,
154.041


 100, 42.372,
154.041


 38, 42.372,
154.041

 68, 42.372,
154.041


 28, 42.372,
154.041

 78, 42.372,
154.041

 18, 42.372,
154.041

 88, 42.372,
154.041

 8, 42.372, 154.041

 98, 42.372,
154.041

 0, 42.372, 154.041

 48, 42.372,

 48, 42.372,

154.041

154.041

■ 48, 47.000,
152.278

■ 49, 37.200,
155.609

■ 47, 51.044,
150.322

■ 49, 31.557,
156.996

■ 47, 54.650,
148.324

■ 50, 25.541,
158.222

■ 47, 54.791,
148.251

■ 51, 19.256,
159.309

■ 52, 12.802,
160.280

■ 53, 6.271, 161.166

■ 54, 0.263, 340.812

■ 55, 6.739, 342.563

■ 57, 13.112,

Harmonies

Complementary

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



48, 42.372, 154.041



31, 43.836, 349.766

Rectangle

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



48, 42.372, 154.041



48, 42.372, 204.041



48, 42.372, 334.041



48, 42.372, 24.041

Sweetspot

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



48, 42.372, 154.041



66, 17.012, 160.105



50, 51.523, 124.509



34, 11.452, 159.890



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, 42.372, 154.041



61, 60.198, 151.058



49, 27.417, 191.037



26, 3.639, 161.211



46, 54.223, 148.284



0, 0.000, 0.000

Inverse Universe

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



31, 43.836, 349.766



38, 59.962, 353.417



30, 43.269, 26.104



25, 3.677, 342.528



27, 51.268, 357.502



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 48, 42.372, 154.041 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, 42.372, 154.041 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, 42.372, 154.041

Background



This preview shows how black text looks on a background with the CIELCh color 48, 42.372, 154.041.



This preview shows how white text looks on a background with the CIELCh color 48, 42.372, 154.041.

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, 42.372, 154.041

Protanopia

48, 22.619, 95.464

Deuteranopia

48, 17.466, 70.074



Tritanopia
48, 20.994, 213.896

Trichromacy



Original Color
48, 42.372, 154.041

Protanomaly
47, 26.875, 131.557

Deuteranomaly
47, 20.126, 128.960

Tritanomaly
48, 25.534, 181.882

Monochromacy



Original Color
48, 42.372, 154.041

Achromatopsia
41, 0.006, 296.813

Achromatomaly
43, 17.278, 158.726

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 42.372, 154.041 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(39, 129, 81)` looks like.

```
.text, #text, p{  
    color:rgb(39, 129, 81)  
}
```

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(39, 129, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 129, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 42.372, 154.041 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(39, 129, 81) }
```

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

```
.border{ border-color:rgb(39, 129, 81) }
```

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

Here you see how a box with a 4 pixel rgb(39, 129, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 129, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 129, 81);  
box-shadow:4px 4px 4px 4px rgb(39, 129,  
81) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 42.372, 154.041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 129, 81) }
```

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

```
.background{ background-color: rgb(39, 129,  
81) }
```

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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