

Converting Colors

CIELCh(48, 53.974, 146.974)

Have a look what the booklet for
CIELCh(48, 53.974, 146.974)
contains.

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Color

CIELCh(48, 54.024, 146.887)

Conversions

Conversions Part 1

Format	Color
Hex	16833D
RGB	22, 131, 61
RGB Percent	9%, 51%, 24%
CMY	0.9124, 0.4856, 0.7601
CMYK	0.83, 0.00, 0.53, 0.49
HSL	141°, 71%, 30%
HSV	141°, 83%, 51%
XYZ	9.3255, 16.7945, 7.1882
YIQ	90.4290, -42.4940, -44.8780

Conversions

Conversions Part 2

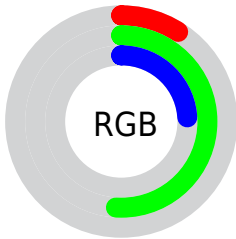
Format	Color
RYB	22, 102, 131
Decimal	1475389
CIELab	48.00, -45.25, 29.51
CIElCh	48, 54.024, 146.887
Yxy	16.7945, 0.2800, 0.5042
Android (android.graphics.Color)	4279665469 (0xFF16833D)
YUV	90.4290, -14.5085, -60.0122
Hunter-Lab	40.9810, -31.0979, 18.2871

Details

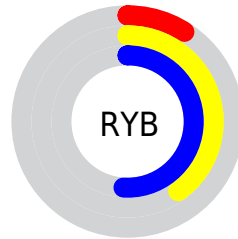
The CIELCh color **48, 54.024, 146.887** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **30, 52.017, 345.107**, and the grayscale version is **39, 0.005, 296.813**.

A 20% lighter version of the original color is **68, 54.013, 146.884**, and **29, 47.405, 139.605** is the 20% darker color. If you saturate the color by 10%, you get **48, 58.361, 144.962**, and if you desaturate by 10%, it is **48, 49.004, 148.656**.

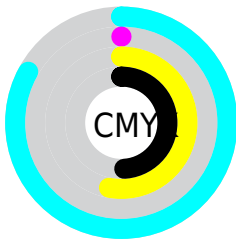
Distribution



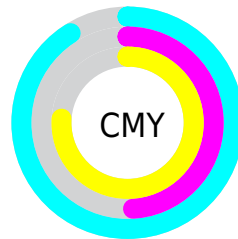
- Red (9%)
- Green (51%)
- Blue (24%)



- Red (9%)
- Yellow (40%)
- Blue (51%)



- Cyan (83%)
- Magenta (0%)
- Yellow (53%)
- Black (49%)



- Cyan (91%)
- Magenta (49%)
- Yellow (76%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 54.024, 146.887 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, 54.024, 146.887 by changing the saturation by 10% instead.


 48, 54.024,
146.887

 48, 54.024,
146.887


 100, 54.024,
146.887

 38, 54.024,
146.887

 68, 54.024,
146.887


 28, 54.024,
146.887

 78, 54.024,
146.887

 18, 54.024,
146.887

 88, 54.024,
146.887

 8, 54.024, 146.887

 98, 54.024,
146.887

 0, 54.024, 146.887

 48, 54.024,

 48, 54.024,

146.887

146.887

■ 48, 58.361,
144.962

■ 48, 49.004,
148.656

■ 48, 61.132,
143.682

■ 49, 43.353,
150.244

■ 49, 37.161,
151.650

■ 50, 30.542,
152.884

■ 51, 23.618,
153.967

■ 52, 16.508,
154.918

■ 53, 9.314, 155.764

■ 54, 2.126, 156.596

Harmonies

Complementary

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



48, 54.024, 146.887



30, 52.017, 345.107

Rectangle

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



48, 54.024, 146.887



48, 54.024, 196.887



48, 54.024, 326.887



48, 54.024, 16.887

Sweetspot

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



48, 54.024, 146.887



66, 22.276, 154.683



50, 57.589, 120.721



34, 15.305, 154.400



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



48, 54.024, 146.887



61, 75.041, 143.155



49, 32.923, 179.045



27, 4.076, 156.069



47, 60.723, 143.701



1, 0.975, 156.682

Inverse Universe

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



30, 52.017, 345.107



37, 66.198, 349.117



28, 49.639, 23.800



26, 4.102, 337.272



28, 54.473, 348.455



0, 0.975, 336.674

Previews

White Background



This preview shows how the CIELCh color 48, 54.024, 146.887 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, 54.024, 146.887 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, 54.024, 146.887

Background



This preview shows how black text looks on a background with the CIELCh color 48, 54.024, 146.887.



This preview shows how white text looks on a background with the CIELCh color 48, 54.024, 146.887.

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, 54.024, 146.887

Protanopia

48, 33.663, 95.843

Deuteranopia

48, 28.136, 76.656



Tritanopia
48, 21.844, 213.160

Trichromacy



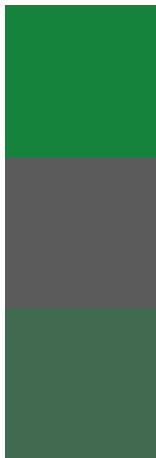
Original Color
48, 54.024, 146.887

Protanomaly
47, 38.469, 127.037

Deuteranomaly
46, 30.723, 123.089

Tritanomaly
48, 29.899, 174.159

Monochromacy



Original Color
48, 54.024, 146.887

Achromatopsia
39, 0.005, 296.813

Achromatomaly
41, 22.749, 153.278

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 54.024, 146.887 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(22, 131, 61)` looks like.

```
.text, #text, p{  
    color:rgb(22, 131, 61)  
}
```

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(22, 131, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 131, 61) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 54.024, 146.887 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(22, 131, 61) }
```

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

```
.border{ border-color:rgb(22, 131, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 131, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 131, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 131, 61);  
box-shadow:4px 4px 4px 4px rgb(22, 131,  
61) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 54.024, 146.887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 131, 61) }
```

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

```
.background{ background-color: rgb(22, 131,  
61) }
```

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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