

Converting Colors

CIELCh(51, 46.760, 157.861)

Have a look what the booklet for
CIELCh(51, 46.760, 157.861)
contains.

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Color

CIELCh(51, 46.740, 157.876)

Conversions

Conversions Part 1

Format	Color
Hex	0F8B5A
RGB	15, 139, 90
RGB Percent	6%, 55%, 35%
CMY	0.9423, 0.4553, 0.6475
CMYK	0.89, 0.00, 0.35, 0.46
HSL	156°, 81%, 30%
HSV	156°, 89%, 54%
XYZ	11.2500, 19.2686, 12.7764
YIQ	96.3380, -58.1750, -41.5270

Conversions

Conversions Part 2

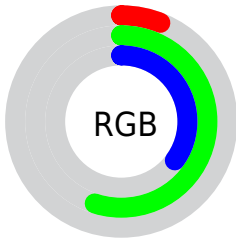
Format	Color
RYB	15, 92, 139
Decimal	1018714
CIELab	51.00, -43.30, 17.60
CIELCh	51, 46.740, 157.876
Yxy	19.2686, 0.2598, 0.4451
Android (android.graphics.Color)	4279208794 (0xFF0F8B5A)
YUV	96.3380, -3.1246, -71.3334
Hunter-Lab	43.8960, -31.0706, 13.4702

Details

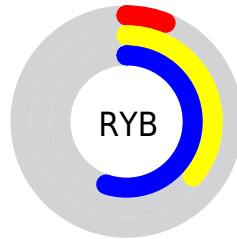
The CIELCh color **51, 46.740, 157.876** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **30, 51.448, 6.325**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **71, 46.647, 157.877**, and **32, 39.467, 151.027** is the 20% darker color. If you saturate the color by 10%, you get **51, 49.737, 155.816**, and if you desaturate by 10%, it is **51, 43.308, 159.843**.

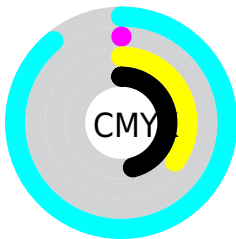
Distribution



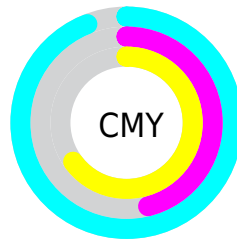
- Red (6%)
- Green (55%)
- Blue (35%)



- Red (6%)
- Yellow (36%)
- Blue (55%)



- Cyan (89%)
- Magenta (0%)
- Yellow (35%)
- Black (46%)





- Cyan (94%)
- Magenta (46%)
- Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 46.740, 157.876 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, 46.740, 157.876 by changing the saturation by 10% instead.


 51, 46.740,
157.876


 51, 46.740,
157.876


 100, 46.740,
157.876


 41, 46.740,
157.876


 71, 46.740,
157.876

 31, 46.740,
157.876

 81, 46.740,
157.876

 21, 46.740,
157.876

 91, 46.740,
157.876

 11, 46.740,
157.876

 1, 46.740, 157.876

 0, 46.740, 157.876

■ 51, 46.740,
157.876

■ 51, 46.740,
157.876

■ 51, 49.737,
155.816

■ 51, 43.308,
159.843

■ 51, 49.916,
155.699

■ 52, 39.287,
161.611

■ 52, 34.696,
163.189

■ 53, 29.593,
164.596

■ 54, 24.065,
165.857

■ 55, 18.209,
166.992

■ 56, 12.124,
168.027

■ 57, 5.901, 168.994

Harmonies

Complementary

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



51, 46.740, 157.876



30, 51.448, 6.325

Rectangle

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



51, 46.740, 157.876



51, 46.740, 207.876



51, 46.740, 337.876



51, 46.740, 27.876

Sweetspot

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



51, 46.740, 157.876



70, 20.804, 167.187



51, 67.613, 129.953



36, 14.082, 166.866



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



51, 46.740, 157.876



65, 61.254, 155.157



48, 27.930, 212.174



29, 3.518, 169.018



49, 48.171, 155.807



1, 1.640, 169.759

Inverse Universe

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



30, 51.448, 6.325



38, 65.634, 12.113



30, 58.446, 38.922



27, 3.583, 350.498



27, 52.099, 10.611



0, 1.640, 349.747

Previews

White Background



This preview shows how the CIELCh color 51, 46.740, 157.876 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, 46.740, 157.876 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, 46.740, 157.876

Background



This preview shows how black text looks on a background with the CIELCh color 51, 46.740, 157.876.



This preview shows how white text looks on a background with the CIELCh color 51, 46.740, 157.876.

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, 46.740, 157.876

Protanopia

51, 22.919, 95.903

Deuteranopia

51, 16.608, 66.889



Tritanopia
51, 24.792, 212.316

Trichromacy



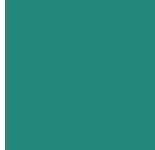
Original Color
51, 46.740, 157.876



Protanomaly
50, 29.681, 139.911



Deuteranomaly
49, 21.748, 141.256



Tritanomaly
51, 30.366, 184.101

Monochromacy



Original Color
51, 46.740, 157.876



Achromatopsia
41, 0.006, 296.813



Achromatomaly
44, 20.944, 165.961

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 46.740, 157.876 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(15, 139, 90)` looks like.

```
.text, #text, p{  
    color:rgb(15, 139, 90)  
}
```

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(15, 139, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 139, 90) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 46.740, 157.876 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(15, 139, 90) }
```

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

```
.border{ border-color:rgb(15, 139, 90) }
```

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

Here you see how a box with a 4 pixel rgb(15, 139, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 139, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 139, 90);  
box-shadow:4px 4px 4px 4px rgb(15, 139,  
90) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 46.740, 157.876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 139, 90) }
```

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

```
.background{ background-color: rgb(15, 139,  
90) }
```

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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