

Converting Colors

CIELCh(50, 46.089, 152.049)

Have a look what the booklet for
CIELCh(50, 46.089, 152.049)
contains.

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Color

CIELCh(50, 45.804, 152.391)

Conversions

Conversions Part 1

Format	Color
Hex	278751
RGB	39, 135, 81
RGB Percent	15%, 53%, 32%
CMY	0.8460, 0.4698, 0.6816
CMYK	0.71, 0.00, 0.40, 0.47
HSL	146°, 55%, 34%
HSV	146°, 71%, 53%
XYZ	11.0315, 18.4187, 10.7950
YIQ	100.1400, -39.8820, -37.1460

Conversions

Conversions Part 2

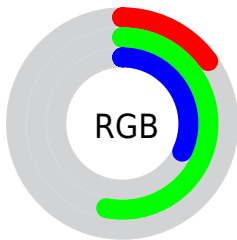
Format	Color
R_{YB}	39, 106, 135
Decimal	2590545
CIE _{Lab}	50.00, -40.59, 21.23
CIE _{LCh}	50, 45.804, 152.391
Yxy	18.4187, 0.2741, 0.4577
Android (android.graphics.Color)	4280780625 (0xFF278751)
YUV	100.1400, -9.4360, -53.6198
Hunter-Lab	42.9170, -29.2226, 15.1285

Details

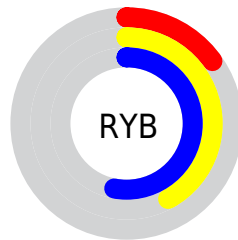
The CIELCh color **50, 45.804, 152.391** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **33, 46.713, 348.167**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 45.719, 152.545**, and **31, 41.242, 147.324** is the 20% darker color. If you saturate the color by 10%, you get **50, 50.668, 150.598**, and if you desaturate by 10%, it is **51, 40.352, 153.988**.

Distribution



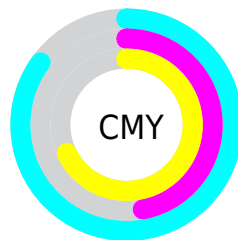
- Red (15%)
- Green (53%)
- Blue (32%)



- Red (15%)
- Yellow (42%)
- Blue (53%)



- Cyan (71%)
- Magenta (0%)
- Yellow (40%)
- Black (47%)





- Cyan (85%)
- Magenta (47%)
- Yellow (68%)
- Black (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 45.804, 152.391 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 50, 45.804, 152.391 by changing the saturation by 10% instead.


 50, 45.804,
152.391


 50, 45.804,
152.391


 100, 45.804,
152.391


 40, 45.804,
152.391


 70, 45.804,
152.391

 30, 45.804,
152.391


 80, 45.804,
152.391


 20, 45.804,
152.391

 90, 45.804,
152.391

 10, 45.804,
152.391

 0, 45.804, 152.391

 50, 45.804,
152.391

 50, 45.804,
152.391

■ 50, 50.668,
150.598

■ 51, 40.352,
153.988

■ 49, 54.905,
148.618

■ 51, 34.391,
155.400

■ 49, 58.344,
146.822

■ 52, 28.024,
156.644

■ 53, 21.363,
157.742

■ 54, 14.520,
158.717

■ 55, 7.590, 159.598

■ 56, 0.659, 160.770

■ 58, 6.211, 340.986

■ 59, 12.968,
341.645

Harmonies

Complementary

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



50, 45.804, 152.391



33, 46.713, 348.167

Rectangle

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



50, 45.804, 152.391



50, 45.804, 202.391



50, 45.804, 332.391



50, 45.804, 22.391

Sweetspot

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



50, 45.804, 152.391



69, 18.036, 158.670



52, 54.000, 123.875



36, 12.296, 158.447



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



50, 45.804, 152.391



63, 64.601, 149.445



51, 29.015, 189.095



28, 3.964, 159.750



48, 57.471, 146.868



1, 1.839, 160.410

Inverse Universe

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



33, 46.713, 348.167



40, 63.089, 351.551



31, 45.488, 25.461



27, 4.001, 341.054



28, 53.224, 355.099



0, 1.840, 340.401

Previews

White Background



This preview shows how the CIELCh color 50, 45.804, 152.391 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 50, 45.804, 152.391 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 50, 45.804, 152.391

Background



This preview shows how black text looks on a background with the CIELCh color 50, 45.804, 152.391.



This preview shows how white text looks on a background with the CIELCh color 50, 45.804, 152.391.

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


50, 45.804, 152.391

Protanopia

50, 25.876, 95.554

Deuteranopia

50, 20.127, 70.761



Tritanopia
50, 21.781, 214.792

Trichromacy



Original Color
50, 45.804, 152.391



Protanomaly
49, 29.617, 130.660



Deuteranomaly
49, 22.815, 127.228



Tritanomaly
50, 27.207, 180.284

Monochromacy



Original Color
50, 45.804, 152.391



Achromatopsia
42, 0.006, 296.813



Achromatomaly
45, 18.575, 157.403

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 45.804, 152.391 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, 135, 81)` looks like.

```
.text, #text, p{  
    color:rgb(39, 135, 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, 135, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 135, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 45.804, 152.391 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, 135, 81) }
```

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

```
.border{ border-color:rgb(39, 135, 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, 135, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 135, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 135, 81);  
box-shadow:4px 4px 4px 4px rgb(39, 135,  
81) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 45.804, 152.391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 135, 81) }
```

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

```
.background{ background-color: rgb(39, 135,  
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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