

Converting Colors

CIELCh(50, 21.410, 116.177)

Have a look what the booklet for
CIELCh(50, 21.410, 116.177)
contains.

CIELCh(50, 21.586, 116.700)	3
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Color

CIELCh(50, 21.586, 116.700)

Conversions

Conversions Part 1

Format	Color
Hex	737B56
RGB	115, 123, 86
RGB Percent	45%, 48%, 34%
CMY	0.5498, 0.5184, 0.6635
CMYK	0.07, 0.00, 0.30, 0.52
HSL	73°, 18%, 41%
HSV	73°, 30%, 48%
XYZ	15.7762, 18.4187, 11.4891
YIQ	116.3900, 7.1090, -13.2030

Conversions

Conversions Part 2

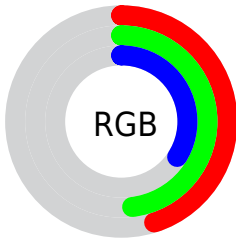
Format	Color
RYB	86, 123, 94
Decimal	7568214
CIELab	50.00, -9.70, 19.28
CIElCh	50, 21.586, 116.700
Yxy	18.4187, 0.3453, 0.4032
Android (android.graphics.Color)	4285758294 (0xFF737B56)
YUV	116.3900, -14.9823, -1.2190
Hunter-Lab	42.9170, -9.4885, 14.1696

Details

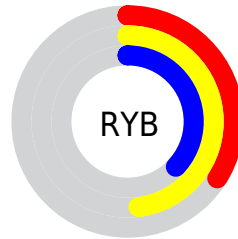
The CIELCh color **50, 21.586, 116.700** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **39, 22.995, 300.918**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 21.380, 116.701**, and **30, 21.503, 116.717** is the 20% darker color. If you saturate the color by 10%, you get **50, 28.535, 116.079**, and if you desaturate by 10%, it is **50, 14.485, 117.346**.

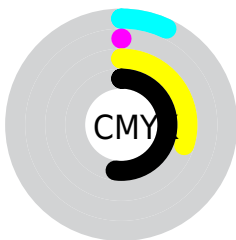
Distribution



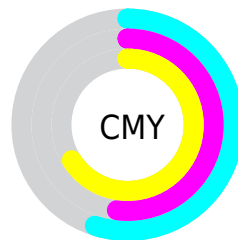
- Red (45%)
- Green (48%)
- Blue (34%)



- Red (34%)
- Yellow (48%)
- Blue (37%)



- Cyan (7%)
- Magenta (0%)
- Yellow (30%)
- Black (52%)





- Cyan (55%)
- Magenta (52%)
- Yellow (66%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 21.586, 116.700 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, 21.586, 116.700 by changing the saturation by 10% instead.


 50, 21.586,
116.700


 50, 21.586,
116.700


 100, 21.586,
116.700


 40, 21.586,
116.700


 70, 21.586,
116.700

 30, 21.586,
116.700


 80, 21.586,
116.700


 20, 21.586,
116.700

 90, 21.586,
116.700

 10, 21.586,
116.700

 0, 21.586, 116.700

 50, 21.586,
116.700

 50, 21.586,
116.700

■ 50, 28.535,
116.079

■ 50, 14.485,
117.346

■ 49, 35.226,
115.504

■ 51, 7.301, 117.989

■ 49, 41.503,
115.020

■ 52, 0.081, 118.766

■ 52, 7.140, 299.217

■ 49, 47.150,
114.688

■ 53, 14.338,
299.793

■ 48, 51.880,
114.583

■ 53, 21.495,
300.338

■ 48, 55.393,
114.792

■ 54, 28.598,
300.849

■ 48, 58.033,
115.191

■ 55, 35.637,
301.327

■ 56, 42.603,
301.772

Harmonies

Complementary

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



50, 21.586, 116.700



39, 22.995, 300.918

Rectangle

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



50, 21.586, 116.700



50, 21.586, 166.700



50, 21.586, 296.700



50, 21.586, 346.700

Sweetspot

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



50, 21.587, 116.703



65, 8.088, 118.046



42, 14.088, 39.206



34, 5.664, 117.967



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



50, 21.587, 116.703



64, 31.989, 116.277



49, 24.139, 134.365



26, 4.052, 118.056



49, 58.763, 115.211



93, 99.197, 115.818

Inverse Universe

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



39, 22.995, 300.918



47, 34.651, 301.566



40, 24.664, 316.966



23, 4.129, 299.216



14, 77.264, 307.651



34, 130.782, 307.269

Previews

White Background



This preview shows how the CIELCh color 50, 21.586, 116.700 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 50, 21.586, 116.700 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

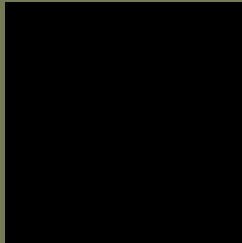
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

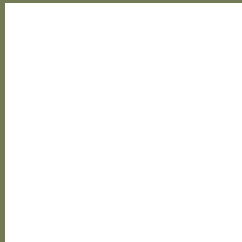
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 21.586, 116.700

Background



This preview shows how black text looks on a background with the CIELCh color 50, 21.586, 116.700.



This preview shows how white text looks on a background with the CIELCh color 50, 21.586, 116.700.

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, 21.586, 116.700

Protanopia
50, 20.657, 96.240

Deuteranopia
50, 19.318, 70.936



Tritanopia
50, 5.341, 299.301

Trichromacy



Original Color
50, 21.586, 116.700

Protanomaly
50, 20.262, 103.725

Deuteranomaly
50, 18.566, 88.171

Tritanomaly
50, 4.737, 119.522

Monochromacy



Original Color
50, 21.586, 116.700

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 7.641, 115.437

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 21.586, 116.700 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(115, 123, 86)` looks like.

```
.text, #text, p{  
    color:rgb(115, 123, 86)  
}
```

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(115, 123, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 123, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 21.586, 116.700 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(115, 123, 86) }
```

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

```
.border{ border-color:rgb(115, 123, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 123, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 123, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 123, 86);  
box-shadow:4px 4px 4px 4px rgb(115, 123,  
86) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 21.586, 116.700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 123, 86) }
```

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

```
.background{ background-color: rgb(115,  
123, 86) }
```

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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