

Converting Colors

CIELCh(50, 30.779, 125.438)

Have a look what the booklet for
CIELCh(50, 30.779, 125.438)
contains.

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Color

CIELCh(50, 30.778, 125.464)

Conversions

Conversions Part 1

Format	Color
Hex	677E4B
RGB	103, 126, 75
RGB Percent	40%, 49%, 29%
CMY	0.5948, 0.5046, 0.7047
CMYK	0.18, 0.00, 0.40, 0.50
HSL	87°, 25%, 40%
HSV	87°, 40%, 50%
XYZ	14.4123, 18.4187, 9.5062
YIQ	113.3090, 2.6630, -20.7370

Conversions

Conversions Part 2

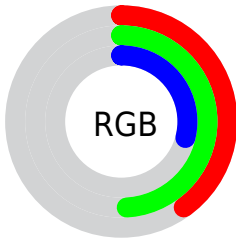
Format	Color
RYB	75, 126, 98
Decimal	6782539
CIELab	50.00, -17.86, 25.07
CIElCh	50, 30.778, 125.464
Yxy	18.4187, 0.3404, 0.4350
Android (android.graphics.Color)	4284972619 (0xFF677E4B)
YUV	113.3090, -18.8863, -9.0410
Hunter-Lab	42.9170, -15.1610, 16.9090

Details

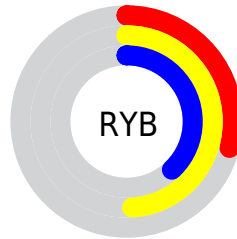
The CIELCh color $50, 30.778, 125.464$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $36, 32.759, 309.425$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $70, 30.679, 125.661$, and $30, 30.943, 125.030$ is the 20% darker color. If you saturate the color by 10%, you get $49, 38.023, 125.039$, and if you desaturate by 10%, it is $51, 23.288, 125.934$.

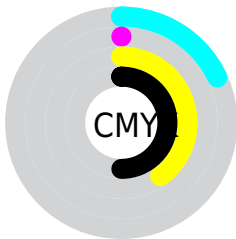
Distribution



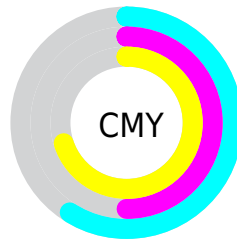
- Red (40%)
- Green (49%)
- Blue (29%)



- Red (29%)
- Yellow (49%)
- Blue (38%)



- Cyan (18%)
- Magenta (0%)
- Yellow (40%)
- Black (50%)





- Cyan (59%)
- Magenta (50%)
- Yellow (70%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 30.778, 125.464 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, 30.778, 125.464 by changing the saturation by 10% instead.


 50, 30.778,
125.464


 50, 30.778,
125.464


 100, 30.778,
125.464


 40, 30.778,
125.464

 70, 30.778,
125.464

 30, 30.778,
125.464


 80, 30.778,
125.464


 20, 30.778,
125.464

 90, 30.778,
125.464

 10, 30.778,
125.464

 0, 30.778, 125.464

 50, 30.778,
125.464

 50, 30.778,
125.464

■ 49, 38.023,
125.039

■ 51, 23.288,
125.934

■ 49, 44.860,
124.706

■ 51, 15.662,
126.414

■ 48, 51.065,
124.541

■ 52, 7.978, 126.885

■ 48, 56.349,
124.645

■ 53, 0.293, 127.567

■ 54, 7.356, 307.724

■ 48, 60.407,
125.131

■ 55, 14.940,
308.112

■ 47, 63.487,
125.793

■ 56, 22.438,
308.464

■ 57, 29.836,
308.783

■ 58, 37.124,
309.072

Harmonies

Complementary

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



50, 30.778, 125.464



36, 32.759, 309.425

Rectangle

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



50, 30.778, 125.464



50, 30.778, 175.464



50, 30.778, 305.464



50, 30.778, 355.464

Sweetspot

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



50, 30.779, 125.466



66, 11.365, 126.797



44, 19.136, 65.384



34, 7.501, 126.750



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, 30.779, 125.466



63, 44.729, 125.090



48, 35.643, 140.409



27, 4.360, 126.944



48, 63.921, 125.808



0, 0.000, 0.000

Inverse Universe

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



36, 32.759, 309.425



43, 48.359, 309.934



39, 35.717, 325.045



25, 4.422, 307.737



18, 75.161, 311.190



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 50, 30.778, 125.464 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 CIELCh color 50, 30.778, 125.464 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

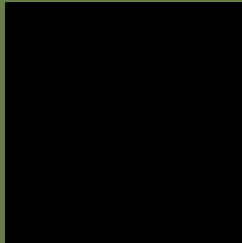
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 30.778, 125.464

Background



This preview shows how black text looks on a background with the CIELCh color 50, 30.778, 125.464.



This preview shows how white text looks on a background with the CIELCh color 50, 30.778, 125.464.

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, 30.778, 125.464

Protanopia

50, 27.483, 95.981

Deuteranopia

50, 24.619, 74.596



Tritanopia
50, 6.221, 257.266

Trichromacy



Original Color
50, 30.778, 125.464

Protanomaly
50, 27.992, 108.335

Deuteranomaly
50, 24.125, 96.139

Tritanomaly
50, 9.538, 145.773

Monochromacy



Original Color
50, 30.778, 125.464

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 11.066, 126.425

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 30.778, 125.464 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(103, 126, 75)` looks like.

```
.text, #text, p{  
    color:rgb(103, 126, 75)  
}
```

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(103, 126, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 126, 75) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 30.778, 125.464 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(103, 126, 75) }
```

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

```
.border{ border-color:rgb(103, 126, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 126, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 126, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 126, 75);  
box-shadow:4px 4px 4px 4px rgb(103, 126,  
75) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 30.778, 125.464 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 126, 75) }
```

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

```
.background{ background-color: rgb(103,  
126, 75) }
```

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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