

Converting Colors

CIELCh(50, 27.785, 128.654)

Have a look what the booklet for
CIELCh(50, 27.785, 128.654)
contains.

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Color

CIELCh(50, 27.821, 128.642)

Conversions

Conversions Part 1

Format	Color
Hex	667E51
RGB	102, 126, 81
RGB Percent	40%, 49%, 32%
CMY	0.5991, 0.5049, 0.6815
CMYK	0.19, 0.00, 0.36, 0.50
HSL	92°, 22%, 41%
HSV	92°, 36%, 50%
XYZ	14.4910, 18.4187, 10.6201
YIQ	113.6940, 0.1410, -19.0830

Conversions

Conversions Part 2

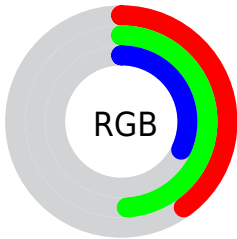
Format	Color
RYB	81, 126, 105
Decimal	6717009
CIELab	50.00, -17.37, 21.73
CIELCh	50, 27.821, 128.642
Yxy	18.4187, 0.3329, 0.4231
Android (android.graphics.Color)	4284907089 (0xFF667E51)
YUV	113.6940, -16.1181, -10.2556
Hunter-Lab	42.9170, -14.8338, 15.3702

Details

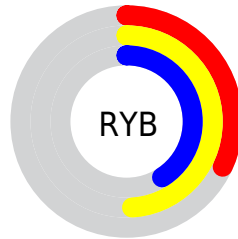
The CIELCh color $50, 27.821, 128.642$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $39, 29.091, 311.843$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $70, 27.819, 128.582$, and $30, 28.051, 128.449$ is the 20% darker color. If you saturate the color by 10%, you get $49, 35.378, 128.192$, and if you desaturate by 10%, it is $51, 20.083, 129.110$.

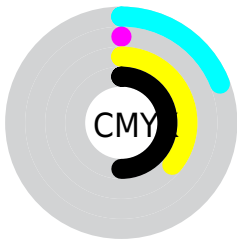
Distribution



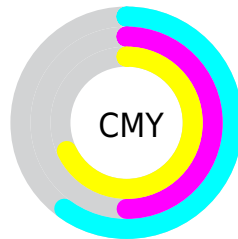
- Red (40%)
- Green (49%)
- Blue (32%)



- Red (32%)
- Yellow (49%)
- Blue (41%)



- Cyan (19%)
- Magenta (0%)
- Yellow (36%)
- Black (50%)




- Cyan (60%)
- Magenta (50%)
- Yellow (68%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 27.821, 128.642 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, 27.821, 128.642 by changing the saturation by 10% instead.


 50, 27.821,
128.642


 50, 27.821,
128.642

 100, 27.821,
128.642


 40, 27.821,
128.642

 70, 27.821,
128.642

 30, 27.821,
128.642


 80, 27.821,
128.642

 20, 27.821,
128.642

 90, 27.821,
128.642

 10, 27.821,
128.642

 0, 27.821, 128.642

 50, 27.821,
128.642

 50, 27.821,
128.642

■ 49, 35.378,
128.192

■ 51, 20.083,
129.110

■ 49, 42.611,
127.796

■ 52, 12.258,
129.569

■ 48, 49.325,
127.519

■ 52, 4.418, 130.014

■ 48, 55.256,
127.452

■ 53, 3.389, 310.366

■ 47, 60.094,
127.707

■ 54, 11.126,
310.750

■ 47, 63.675,
128.337

■ 55, 18.767,
311.084

■ 47, 65.133,
128.577

■ 56, 26.296,
311.382

■ 58, 33.699,
311.648

■ 59, 40.968,
311.884

Harmonies

Complementary

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



50, 27.821, 128.642



39, 29.091, 311.843

Rectangle

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



50, 27.821, 128.642



50, 27.821, 178.642



50, 27.821, 308.642



50, 27.821, 358.642

Sweetspot

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



50, 27.822, 128.643



66, 10.615, 129.766



46, 17.099, 72.866



34, 7.098, 129.718



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, 27.822, 128.643



63, 41.164, 128.264



49, 31.694, 142.398



26, 4.442, 129.860



47, 65.611, 128.593



0, 0.000, 0.000

Inverse Universe

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



39, 29.091, 311.843



46, 43.541, 312.252



41, 31.669, 326.749



25, 4.496, 310.589



19, 73.882, 313.036



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 50, 27.821, 128.642 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, 27.821, 128.642 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

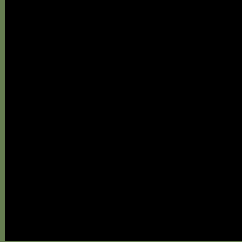
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 27.821, 128.642

Background



This preview shows how black text looks on a background with the CIELCh color 50, 27.821, 128.642.



This preview shows how white text looks on a background with the CIELCh color 50, 27.821, 128.642.

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, 27.821, 128.642

Protanopia
50, 24.092, 96.172

Deuteranopia
50, 21.550, 73.185



Tritanopia
50, 7.100, 254.922

Trichromacy



Original Color
50, 27.821, 128.642

Protanomaly
50, 24.703, 110.031

Deuteranomaly
50, 20.687, 96.211

Tritanomaly
50, 8.457, 154.831

Monochromacy



Original Color
50, 27.821, 128.642

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 9.959, 128.499

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 27.821, 128.642 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(102, 126, 81)` looks like.

```
.text, #text, p{  
    color:rgb(102, 126, 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(102, 126, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 126, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 27.821, 128.642 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(102, 126, 81) }
```

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

```
.border{ border-color:rgb(102, 126, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 126, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 126, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 126, 81);  
box-shadow:4px 4px 4px 4px rgb(102, 126,  
81) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 27.821, 128.642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 126, 81) }
```

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

```
.background{ background-color: rgb(102,  
126, 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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