

Converting Colors

CIELCh(50, 21.940, 128.399)

Have a look what the booklet for
CIELCh(50, 21.940, 128.399)
contains.

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Color

CIELCh(50, 22.313, 128.772)

Conversions

Conversions Part 1

Format	Color
Hex	6A7D59
RGB	106, 125, 89
RGB Percent	42%, 49%, 35%
CMY	0.5847, 0.5102, 0.6514
CMYK	0.15, 0.00, 0.29, 0.51
HSL	92°, 17%, 42%
HSV	92°, 29%, 49%
XYZ	15.0514, 18.4187, 12.1916
YIQ	115.2150, 0.2320, -15.2240

Conversions

Conversions Part 2

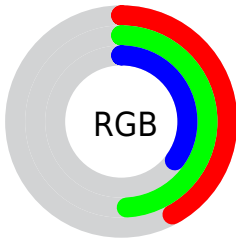
Format	Color
R_{YB}	89, 125, 108
Decimal	6978905
CIE _{Lab}	50.00, -13.97, 17.40
CIE _{LCh}	50, 22.313, 128.772
Yxy	18.4187, 0.3296, 0.4034
Android (android.graphics.Color)	4285168985 (0xFF6A7D59)
YUV	115.2150, -12.9240, -8.0816
Hunter-Lab	42.9170, -12.5029, 13.1992

Details

The CIELCh color $50, 22.313, 128.772$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $41, 23.129, 311.325$, and the grayscale version is $49, 0.006, 296.813$.

A 20% lighter version of the original color is $70, 22.598, 128.535$, and $30, 22.295, 128.830$ is the 20% darker color. If you saturate the color by 10%, you get $49, 29.929, 128.309$, and if you desaturate by 10%, it is $51, 14.588, 129.236$.

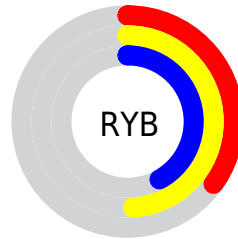
Distribution



Red (42%)

Green (49%)

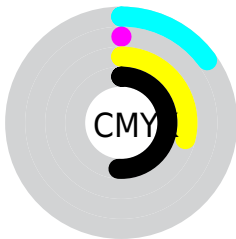
Blue (35%)



Red (35%)

Yellow (49%)

Blue (42%)

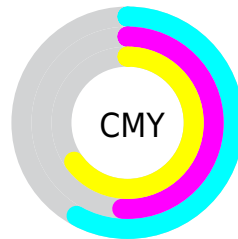


Cyan (15%)

Magenta (0%)

Yellow (29%)

Black (51%)



Cyan (58%)


Magenta (51%)

Yellow (65%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 22.313, 128.772 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, 22.313, 128.772 by changing the saturation by 10% instead.


 50, 22.313,
128.772


 50, 22.313,
128.772


 100, 22.313,
128.772


 40, 22.313,
128.772


 70, 22.313,
128.772


 30, 22.313,
128.772

 80, 22.313,
128.772


 20, 22.313,
128.772

 90, 22.313,
128.772

 10, 22.313,
128.772

 0, 22.313, 128.772

 50, 22.313,
128.772

 50, 22.313,
128.772

■ 49, 29.929,
128.309

■ 51, 14.588,
129.236

■ 49, 37.324,
127.871

■ 52, 6.825, 129.684

■ 48, 44.346,
127.506

■ 52, 0.918, 309.984

■ 53, 8.604, 310.450

■ 48, 50.781,
127.286

■ 54, 16.203,
310.798

■ 47, 56.349,
127.310

■ 55, 23.697,
311.108

■ 47, 60.743,
127.691

■ 57, 31.071,
311.386

■ 46, 64.115,
128.331

■ 58, 38.317,
311.633

■ 46, 64.514,
128.390

■ 59, 45.429,
311.853

Harmonies

Complementary

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



50, 22.313, 128.772



41, 23.129, 311.325

Rectangle

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



50, 22.313, 128.772



50, 22.313, 178.772



50, 22.313, 308.772



50, 22.313, 358.772

Sweetspot

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



50, 22.314, 128.774



66, 8.669, 129.666



47, 13.499, 73.714



34, 5.996, 129.612



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, 22.314, 128.774



64, 33.638, 128.446



49, 25.457, 142.988



25, 4.287, 129.674



46, 64.533, 128.390



89, 109.575, 129.246

Inverse Universe

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



41, 23.129, 311.325



50, 35.201, 311.673



43, 25.462, 326.397



24, 4.339, 310.400



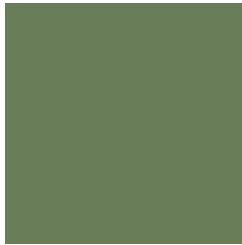
19, 72.883, 312.927



41, 123.338, 312.332

Previews

White Background



This preview shows how the CIELCh color 50, 22.313, 128.772 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, 22.313, 128.772 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

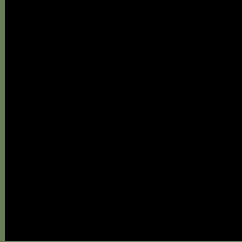
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 22.313, 128.772

Background



This preview shows how black text looks on a background with the CIELCh color 50, 22.313, 128.772.



This preview shows how white text looks on a background with the CIELCh color 50, 22.313, 128.772.

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](#).

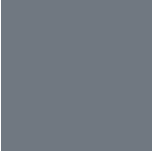
Dichromacy



Original Color
50, 22.313, 128.772

Protanopia
50, 19.536, 95.794

Deuteranopia
50, 17.596, 69.085



Tritanopia
50, 6.030, 260.300

Trichromacy



Original Color
50, 22.313, 128.772

Protanomaly
50, 19.633, 108.865

Deuteranomaly
50, 16.755, 94.298

Tritanomaly
50, 6.758, 155.021

Monochromacy



Original Color
50, 22.313, 128.772

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 8.150, 129.962

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 22.313, 128.772 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(106, 125, 89)` looks like.

```
.text, #text, p{  
    color:rgb(106, 125, 89)  
}
```

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(106, 125, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 125, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 22.313, 128.772 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(106, 125, 89) }
```

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

```
.border{ border-color:rgb(106, 125, 89) }
```

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

Here you see how a box with a 4 pixel rgb(106, 125, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 125, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 125, 89);  
box-shadow:4px 4px 4px 4px rgb(106, 125,  
89) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 22.313, 128.772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 125, 89) }
```

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

```
.background{ background-color: rgb(106,  
125, 89) }
```

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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