

Converting Colors

CIELCh(49, 25.143, 127.476)

Have a look what the booklet for
CIELCh(49, 25.143, 127.476)
contains.

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Color

CIELCh(49, 25.187, 127.144)

Conversions

Conversions Part 1

Format	Color
Hex	677B52
RGB	103, 123, 82
RGB Percent	40%, 48%, 32%
CMY	0.5969, 0.5184, 0.6792
CMYK	0.16, 0.00, 0.33, 0.52
HSL	89°, 20%, 40%
HSV	89°, 33%, 48%
XYZ	14.1445, 17.5941, 10.5954
YIQ	112.3460, 1.2410, -16.9910

Conversions

Conversions Part 2

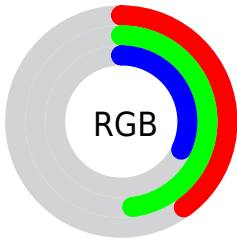
Format	Color
R_{YB}	82, 123, 102
Decimal	6781778
CIE _{Lab}	49.00, -15.21, 20.08
CIE _{LCh}	49, 25.187, 127.144
Yxy	17.5941, 0.3341, 0.4156
Android (android.graphics.Color)	4284971858 (0xFF677B52)
YUV	112.3460, -14.9606, -8.1964
Hunter-Lab	41.9453, -13.2115, 14.3850

Details

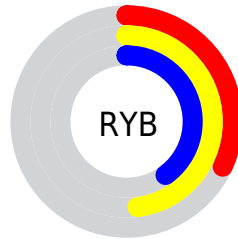
The CIELCh color $49, 25.187, 127.144$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $38, 26.380, 310.235$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 25.315, 127.118$, and $29, 25.312, 126.924$ is the 20% darker color. If you saturate the color by 10%, you get $48, 32.529, 126.691$, and if you desaturate by 10%, it is $50, 17.692, 127.614$.

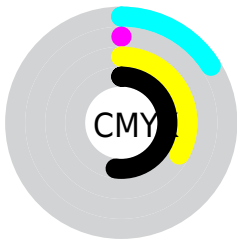
Distribution



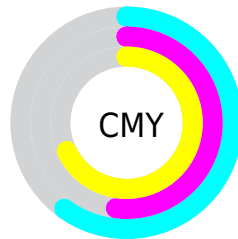
- Red (40%)
- Green (48%)
- Blue (32%)



- Red (32%)
- Yellow (48%)
- Blue (40%)



- Cyan (16%)
- Magenta (0%)
- Yellow (33%)
- Black (52%)



- Cyan (60%)
- Magenta (52%)
- Yellow (68%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 25.187, 127.144 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 49, 25.187, 127.144 by changing the saturation by 10% instead.

 49, 25.187,
127.144


 49, 25.187,
127.144


 100, 25.187,
127.144

 39, 25.187,
127.144

 69, 25.187,
127.144


 29, 25.187,
127.144

 79, 25.187,
127.144

 19, 25.187,
127.144

 89, 25.187,
127.144

 9, 25.187, 127.144

 99, 25.187,
127.144

 0, 25.187, 127.144

 49, 25.187,

 49, 25.187,

127.144

127.144

■ 48, 32.529,
126.691

■ 50, 17.692,
127.614

■ 48, 39.591,
126.286

■ 50, 10.125,
128.076

■ 47, 46.202,
125.988

■ 51, 2.548, 128.535

■ 47, 52.122,
125.881

■ 52, 4.997, 308.894

■ 46, 57.059,
126.071

■ 53, 12.477,
309.278

■ 46, 60.750,
126.658

■ 54, 19.870,
309.621

■ 46, 62.922,
127.057

■ 55, 27.161,
309.930

■ 56, 34.339,
310.208

■ 57, 41.396,
310.457

Harmonies

Complementary

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



49, 25.187, 127.144



38, 26.380, 310.235

Rectangle

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



49, 25.187, 127.144



49, 25.187, 177.144



49, 25.187, 307.144



49, 25.187, 357.144

Sweetspot

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



49, 25.188, 127.146



65, 9.424, 128.218



45, 15.332, 69.706



34, 6.481, 128.165



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



49, 25.188, 127.146



62, 37.440, 126.796



48, 29.208, 141.787



25, 4.248, 128.271



47, 63.729, 127.086



89, 108.169, 127.955

Inverse Universe

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



38, 26.380, 310.235



46, 39.679, 310.642



41, 29.224, 325.687



24, 4.304, 309.025



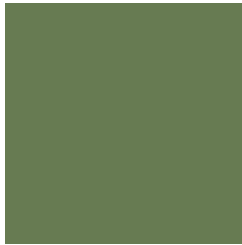
18, 73.492, 312.003



40, 124.423, 311.409

Previews

White Background



This preview shows how the CIELCh color 49, 25.187, 127.144 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 49, 25.187, 127.144 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

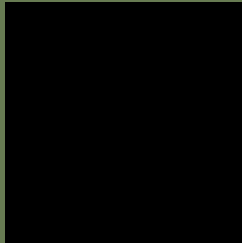
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 25.187, 127.144

Background



This preview shows how black text looks on a background with the CIELCh color 49, 25.187, 127.144.



This preview shows how white text looks on a background with the CIELCh color 49, 25.187, 127.144.

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

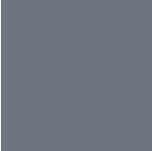
49, 25.187, 127.144

Protanopia

49, 21.963, 95.367

Deuteranopia

49, 20.203, 70.699



Tritanopia
49, 6.562, 263.100

Trichromacy



Original Color
49, 25.187, 127.144

Protanomaly
49, 21.977, 107.215

Deuteranomaly
49, 19.193, 94.117

Tritanomaly
49, 6.789, 155.004

Monochromacy



Original Color
49, 25.187, 127.144

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 9.293, 127.340

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 25.187, 127.144 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, 123, 82)` looks like.

```
.text, #text, p{  
    color:rgb(103, 123, 82)  
}
```

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, 123, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 123, 82) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 25.187, 127.144 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, 123, 82) }
```

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

```
.border{ border-color:rgb(103, 123, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 123, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 123, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 123, 82);  
box-shadow:4px 4px 4px 4px rgb(103, 123,  
82) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 25.187, 127.144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 123, 82) }
```

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

```
.background{ background-color: rgb(103,  
123, 82) }
```

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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