

Converting Colors

CIELCh(48, 27.678, 147.258)

Have a look what the booklet for
CIELCh(48, 27.678, 147.258)
contains.

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Color

CIELCh(48, 27.678, 147.258)

Conversions

Conversions Part 1

Format	Color
Hex	507C58
RGB	80, 124, 88
RGB Percent	31%, 49%, 35%
CMY	0.6866, 0.5141, 0.6553
CMYK	0.36, 0.00, 0.29, 0.51
HSL	131°, 22%, 40%
HSV	131°, 36%, 49%
XYZ	12.2528, 16.7945, 11.8079
YIQ	106.7400, -14.6680, -20.5240

Conversions

Conversions Part 2

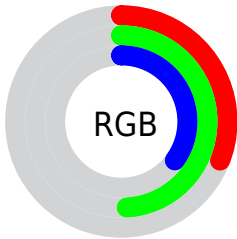
Format	Color
R_{YB}	80, 117, 124
Decimal	5274712
CIE _{Lab}	48.00, -23.28, 14.97
CIE _{LCh}	48, 27.678, 147.258
Yxy	16.7945, 0.2999, 0.4111
Android (android.graphics.Color)	4283464792 (0xFF507C58)
YUV	106.7400, -9.2388, -23.4510
Hunter-Lab	40.9810, -18.3478, 11.6034

Details

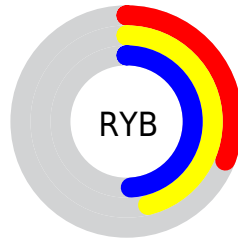
The CIELCh color $48, 27.678, 147.258$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $40, 27.764, 332.059$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 27.770, 147.081$, and $28, 27.927, 146.943$ is the 20% darker color. If you saturate the color by 10%, you get $47, 35.208, 146.233$, and if you desaturate by 10%, it is $49, 19.932, 148.150$.

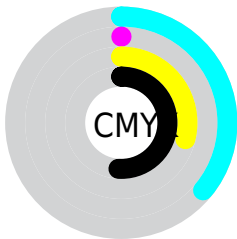
Distribution



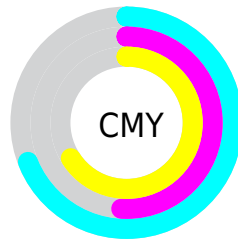
- Red (31%)
- Green (49%)
- Blue (35%)



- Red (31%)
- Yellow (46%)
- Blue (49%)



- Cyan (36%)
- Magenta (0%)
- Yellow (29%)
- Black (51%)



- Cyan (69%)
- Magenta (51%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 27.678, 147.258 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 48, 27.678, 147.258 by changing the saturation by 10% instead.

 48, 27.678,
147.258


 48, 27.678,
147.258

 100, 27.678,
147.258


 38, 27.678,
147.258

 68, 27.678,
147.258


 28, 27.678,
147.258

 78, 27.678,
147.258

 18, 27.678,
147.258

 88, 27.678,
147.258

 8, 27.678, 147.258

 98, 27.678,
147.258

 0, 27.678, 147.258

 48, 27.678,

 48, 27.678,

147.258

147.258

■ 47, 35.208,
146.233

■ 49, 19.932,
148.150

■ 46, 42.370,
145.064

■ 50, 12.095,
148.927

■ 46, 49.002,
143.751

■ 51, 4.271, 149.625

■ 45, 54.935,
142.311

■ 53, 3.462, 330.091

■ 45, 60.009,
140.790

■ 54, 11.046,
330.637

■ 45, 64.110,
139.299

■ 56, 18.441,
331.085

■ 45, 65.700,
138.764

■ 57, 25.625,
331.476

■ 59, 32.583,
331.821

■ 61, 39.313,
332.128

Harmonies

Complementary

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



48, 27.678, 147.258



40, 27.764, 332.059

Rectangle

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



48, 27.678, 147.258



48, 27.678, 197.258



48, 27.678, 327.258



48, 27.678, 17.258

Sweetspot

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



48, 27.679, 147.258



64, 10.588, 149.228



50, 25.388, 114.241



34, 7.174, 149.152



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



48, 27.679, 147.258



60, 41.202, 146.394



49, 18.967, 170.266



25, 4.334, 149.380



45, 66.122, 138.750



87, 113.583, 137.899

Inverse Universe

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



40, 27.764, 332.059



49, 41.242, 332.610



39, 20.733, 357.518



24, 4.346, 330.403



28, 59.404, 336.727



57, 99.288, 337.280

Previews

White Background



This preview shows how the CIELCh color 48, 27.678, 147.258 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 48, 27.678, 147.258 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

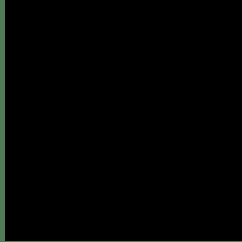
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 27.678, 147.258

Background



This preview shows how black text looks on a background with the CIELCh color 48, 27.678, 147.258.



This preview shows how white text looks on a background with the CIELCh color 48, 27.678, 147.258.

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

48, 27.678, 147.258

Protanopia

48, 18.014, 94.821

Deuteranopia

48, 14.832, 65.184



Tritanopia
48, 12.232, 224.221

Trichromacy



Original Color
48, 27.678, 147.258

Protanomaly
48, 19.147, 120.790

Deuteranomaly
47, 14.061, 110.018

Tritanomaly
48, 14.596, 178.890

Monochromacy



Original Color
48, 27.678, 147.258

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 10.189, 149.223

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 27.678, 147.258 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(80, 124, 88)` looks like.

```
.text, #text, p{  
    color:rgb(80, 124, 88)  
}
```

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(80, 124, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 124, 88) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 27.678, 147.258 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(80, 124, 88) }
```

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

```
.border{ border-color:rgb(80, 124, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 124, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 124, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 124, 88);  
box-shadow:4px 4px 4px 4px rgb(80, 124,  
88) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 27.678, 147.258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 124, 88) }
```

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

```
.background{ background-color: rgb(80, 124,  
88) }
```

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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