

Converting Colors

CIELCh(48, 21.286, 118.067)

Have a look what the booklet for
CIELCh(48, 21.286, 118.067)
contains.

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Color

CIELCh(48, 21.256, 118.081)

Conversions

Conversions Part 1

Format	Color
Hex	6D7652
RGB	109, 118, 82
RGB Percent	43%, 46%, 32%
CMY	0.5728, 0.5375, 0.6787
CMYK	0.08, 0.00, 0.31, 0.54
HSL	75°, 18%, 39%
HSV	75°, 31%, 46%
XYZ	14.2880, 16.7945, 10.4575
YIQ	111.2050, 6.1920, -13.1040

Conversions

Conversions Part 2

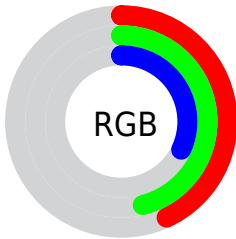
Format	Color
RYB	82, 118, 91
Decimal	7173714
CIELab	48.00, -10.01, 18.75
CIELCh	48, 21.256, 118.081
Yxy	16.7945, 0.3440, 0.4043
Android (android.graphics.Color)	4285363794 (0xFF6D7652)
YUV	111.2050, -14.3981, -1.9338
Hunter-Lab	40.9810, -9.4832, 13.5571

Details

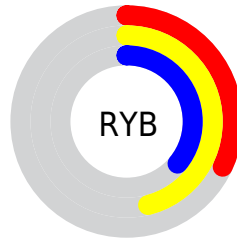
The CIELCh color $48, 21.256, 118.081$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $37, 22.610, 302.083$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 21.029, 117.996$, and $28, 21.177, 118.260$ is the 20% darker color. If you saturate the color by 10%, you get $48, 28.012, 117.497$, and if you desaturate by 10%, it is $48, 14.355, 118.690$.

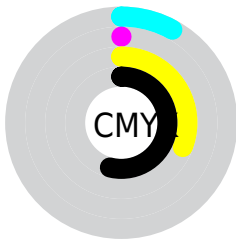
Distribution



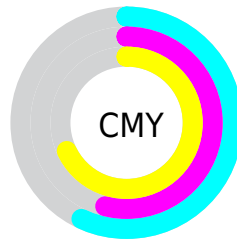
- Red (43%)
- Green (46%)
- Blue (32%)



- Red (32%)
- Yellow (46%)
- Blue (36%)



- Cyan (8%)
- Magenta (0%)
- Yellow (31%)
- Black (54%)





- Cyan (57%)
- Magenta (54%)
- Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 21.256, 118.081 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, 21.256, 118.081 by changing the saturation by 10% instead.


 48, 21.256,
118.081


 48, 21.256,
118.081


 100, 21.256,
118.081


 38, 21.256,
118.081

 68, 21.256,
118.081


 28, 21.256,
118.081

 78, 21.256,
118.081

 18, 21.256,
118.081

 88, 21.256,
118.081

 8, 21.256, 118.081

 98, 21.256,
118.081

 0, 21.256, 118.081

 48, 21.256,

 48, 21.256,

118.081

118.081

■ 48, 28.012,
117.497

■ 48, 14.355,
118.690

■ 47, 34.519,
116.960

■ 49, 7.374, 119.295

■ 47, 40.629,
116.517

■ 50, 0.362, 119.939

■ 50, 6.649, 300.446

■ 46, 46.133,
116.230

■ 51, 13.634,
300.986

■ 46, 50.758,
116.181

■ 52, 20.576,
301.494

■ 46, 54.216,
116.458

■ 52, 27.461,
301.969

■ 46, 56.830,
116.877

■ 53, 34.280,
302.412

■ 54, 41.025,

Harmonies

Complementary

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



48, 21.256, 118.081



37, 22.610, 302.083

Rectangle

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



48, 21.256, 118.081



48, 21.256, 168.081



48, 21.256, 298.081



48, 21.256, 348.081

Sweetspot

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



48, 21.257, 118.084



63, 7.804, 119.373



41, 13.472, 44.397



32, 5.391, 119.303



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



48, 21.257, 118.084



61, 31.726, 117.646



47, 24.023, 135.849



24, 3.926, 119.385



47, 58.380, 116.926



91, 99.340, 117.620

Inverse Universe

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



37, 22.610, 302.083



44, 34.347, 302.739



39, 24.443, 318.550



22, 3.998, 300.465



14, 75.730, 308.029



34, 129.176, 307.591

Previews

White Background



This preview shows how the CIELCh color 48, 21.256, 118.081 looks on a white background.

Color Contrast Check

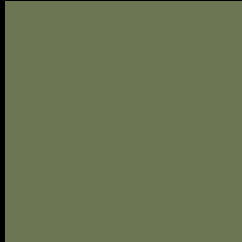
Large Text (above 18pt) WCAG AA ✓ Pass

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, 21.256, 118.081 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

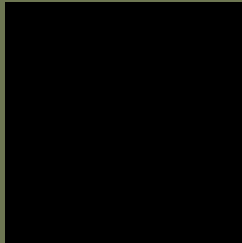
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 21.256, 118.081

Background



This preview shows how black text looks on a background with the CIELCh color 48, 21.256, 118.081.



This preview shows how white text looks on a background with the CIELCh color 48, 21.256, 118.081.

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, 21.256, 118.081

Protanopia

48, 20.243, 95.881

Deuteranopia

48, 19.019, 69.863



Tritanopia
48, 5.333, 295.127

Trichromacy



Original Color
48, 21.256, 118.081

Protanomaly
48, 19.833, 103.587

Deuteranomaly
48, 18.164, 87.524

Tritanomaly
48, 4.868, 124.266

Monochromacy



Original Color
48, 21.256, 118.081

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 8.409, 120.586

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 21.256, 118.081 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(109, 118, 82)` looks like.

```
.text, #text, p{  
    color:rgb(109, 118, 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(109, 118, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 118, 82) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 21.256, 118.081 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(109, 118, 82) }
```

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

```
.border{ border-color:rgb(109, 118, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 118, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 118, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 118, 82);  
box-shadow:4px 4px 4px 4px rgb(109, 118,  
82) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 21.256, 118.081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 118, 82) }
```

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

```
.background{ background-color: rgb(109,  
118, 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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