

Converting Colors

CIELCh(48, 28.902, 139.845)

Have a look what the booklet for
CIELCh(48, 28.902, 139.845)
contains.

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Color

CIELCh(48, 28.467, 139.826)

Conversions

Conversions Part 1

Format	Color
Hex	567B52
RGB	86, 123, 82
RGB Percent	34%, 48%, 32%
CMY	0.6622, 0.5171, 0.6779
CMYK	0.30, 0.00, 0.33, 0.52
HSL	114°, 20%, 40%
HSV	114°, 33%, 48%
XYZ	12.4766, 16.7945, 10.5915
YIQ	107.2630, -8.8910, -20.5950

Conversions

Conversions Part 2

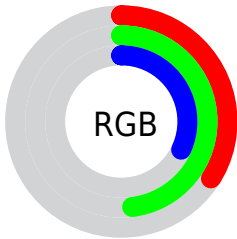
Format	Color
R_{YB}	82, 123, 119
Decimal	5667666
CIE _{Lab}	48.00, -21.75, 18.36
CIE _{LCh}	48, 28.467, 139.826
Yxy	16.7945, 0.3130, 0.4213
Android (android.graphics.Color)	4283857746 (0xFF567B52)
YUV	107.2630, -12.4547, -18.6477
Hunter-Lab	40.9810, -17.3727, 13.3633

Details

The CIELCh color $48, 28.467, 139.826$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $40, 28.638, 323.316$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 28.503, 139.928$, and $28, 28.386, 140.347$ is the 20% darker color. If you saturate the color by 10%, you get $47, 36.792, 139.063$, and if you desaturate by 10%, it is $49, 19.941, 140.513$.

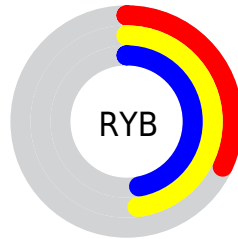
Distribution



Red (34%)

Green (48%)

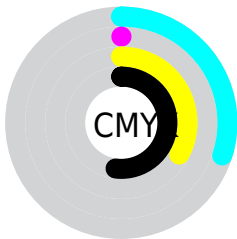
Blue (32%)



Red (32%)

Yellow (48%)

Blue (47%)

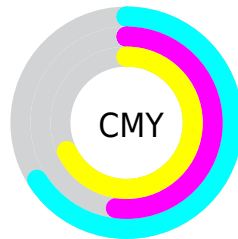


Cyan (30%)

Magenta (0%)

Yellow (33%)

Black (52%)



Cyan (66%)


Magenta (52%)

Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 28.467, 139.826 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, 28.467, 139.826 by changing the saturation by 10% instead.


 48, 28.467,
139.826


 48, 28.467,
139.826


 100, 28.467,
139.826


 38, 28.467,
139.826

 68, 28.467,
139.826

 28, 28.467,
139.826

 78, 28.467,
139.826

 18, 28.467,
139.826

 88, 28.467,
139.826

 8, 28.467, 139.826

 98, 28.467,
139.826

 0, 28.467, 139.826

 48, 28.467,

 48, 28.467,

139.826

139.826

■ 47, 36.792,
139.063

■ 49, 19.941,
140.513

■ 46, 44.729,
138.240

■ 50, 11.350,
141.120

■ 46, 52.048,
137.401

■ 51, 2.798, 141.685

■ 45, 58.459,
136.620

■ 53, 5.639, 322.044

■ 45, 63.630,
136.005

■ 54, 13.909,
322.445

■ 45, 67.272,
135.665

■ 55, 21.977,
322.777

■ 45, 69.246,
135.354

■ 57, 29.825,
323.058

■ 59, 37.441,
323.298

■ 60, 44.824,
323.502

Harmonies

Complementary

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



48, 28.467, 139.826



40, 28.638, 323.316

Rectangle

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



48, 28.467, 139.826



48, 28.467, 189.826



48, 28.467, 319.826



48, 28.467, 9.826

Sweetspot

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



48, 28.468, 139.827



65, 10.586, 141.292



50, 21.408, 102.415



34, 7.284, 141.227



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, 28.468, 139.827



61, 42.326, 139.247



48, 21.887, 155.828



25, 4.769, 141.357



45, 69.988, 135.364



87, 118.303, 135.669

Inverse Universe

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



40, 28.638, 323.316



49, 42.589, 323.646



40, 22.377, 341.277



24, 4.785, 322.182



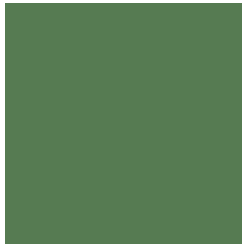
27, 68.554, 324.567



56, 115.456, 324.376

Previews

White Background



This preview shows how the CIELCh color 48, 28.467, 139.826 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, 28.467, 139.826 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

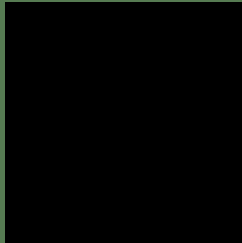
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 28.467, 139.826

Background



This preview shows how black text looks on a background with the CIELCh color 48, 28.467, 139.826.



This preview shows how white text looks on a background with the CIELCh color 48, 28.467, 139.826.

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, 28.467, 139.826

Protanopia

48, 20.937, 94.838

Deuteranopia

48, 18.242, 69.969



Tritanopia
48, 10.178, 230.188

Trichromacy



Original Color
48, 28.467, 139.826

Protanomaly
48, 21.689, 115.476

Deuteranomaly
48, 17.569, 103.418

Tritanomaly
48, 12.583, 173.043

Monochromacy



Original Color
48, 28.467, 139.826

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 10.657, 141.962

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 28.467, 139.826 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(86, 123, 82)` looks like.

```
.text, #text, p{  
    color:rgb(86, 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(86, 123, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 123, 82) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 28.467, 139.826 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(86, 123, 82) }
```

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

```
.border{ border-color:rgb(86, 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(86, 123, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 123, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 123, 82);  
box-shadow:4px 4px 4px 4px rgb(86, 123,  
82) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 28.467, 139.826 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 123, 82) }
```

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

```
.background{ background-color: rgb(86, 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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