

Converting Colors

CIELCh(49, 23.307, 136.594)

Have a look what the booklet for
CIELCh(49, 23.307, 136.594)
contains.

CIELCh(49, 23.307, 136.594)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(49, 23.307, 136.594)

Conversions

Conversions Part 1

Format	Color
Hex	617C59
RGB	97, 124, 89
RGB Percent	38%, 49%, 35%
CMY	0.6206, 0.5147, 0.6519
CMYK	0.22, 0.00, 0.28, 0.51
HSL	106°, 16%, 42%
HSV	106°, 28%, 49%
XYZ	13.8702, 17.5941, 12.0616
YIQ	111.9370, -4.8570, -16.6090

Conversions

Conversions Part 2

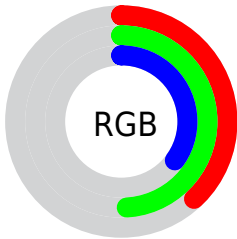
Format	Color
R_{YB}	89, 124, 116
Decimal	6388825
CIE _{Lab}	49.00, -16.93, 16.02
CIE _{LCh}	49, 23.307, 136.594
Y _{xy}	17.5941, 0.3187, 0.4042
Android (android.graphics.Color)	4284578905 (0xFF617C59)
YUV	111.9370, -11.3079, -13.0997
Hunter-Lab	41.9453, -14.3789, 12.3125

Details

The CIELCh color $49, 23.307, 136.594$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $42, 23.650, 319.132$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 23.649, 136.682$, and $29, 23.244, 136.176$ is the 20% darker color. If you saturate the color by 10%, you get $48, 31.461, 136.012$, and if you desaturate by 10%, it is $50, 15.051, 137.132$.

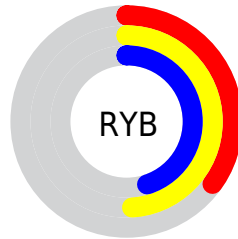
Distribution



Red (38%)

Green (49%)

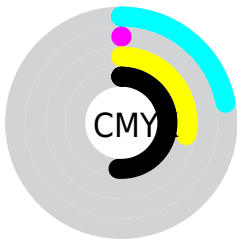
Blue (35%)



Red (35%)

Yellow (49%)

Blue (45%)

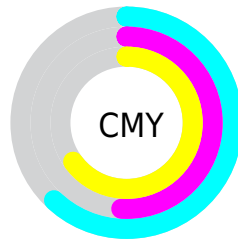


Cyan (22%)

Magenta (0%)

Yellow (28%)

Black (51%)



Cyan (62%)

Magenta (51%)


Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 23.307, 136.594 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, 23.307, 136.594 by changing the saturation by 10% instead.


 49, 23.307,
136.594


 49, 23.307,
136.594


 100, 23.307,
136.594


 39, 23.307,
136.594

 69, 23.307,
136.594

 29, 23.307,
136.594

 79, 23.307,
136.594

 19, 23.307,
136.594

 89, 23.307,
136.594

 9, 23.307, 136.594

 99, 23.307,
136.594

 0, 23.307, 136.594

 49, 23.307,

 49, 23.307,

136.594

136.594

■ 48, 31.461,
136.012

■ 50, 15.051,
137.132

■ 47, 39.376,
135.400

■ 51, 6.786, 137.622

■ 47, 46.876,
134.798

■ 52, 1.414, 317.923

■ 53, 9.500, 318.377

■ 46, 53.723,
134.268

■ 55, 17.435,
318.703

■ 46, 59.618,
133.904

■ 56, 25.197,
318.981

■ 45, 64.234,
133.823

■ 57, 32.772,
319.219

■ 45, 67.633,
133.935

■ 59, 40.153,
319.423

■ 45, 68.197,
133.916

■ 60, 47.339,

319.597

Harmonies

Complementary

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



49, 23.307, 136.594



42, 23.650, 319.132

Rectangle

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



49, 23.307, 136.594



49, 23.307, 186.594



49, 23.307, 316.594



49, 23.307, 6.594

Sweetspot

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



49, 23.308, 136.595



65, 8.123, 137.625



49, 16.062, 95.083



34, 5.822, 137.563



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, 23.308, 136.595



62, 34.653, 136.218



49, 20.718, 150.878



25, 4.580, 137.584



46, 68.685, 133.927



87, 116.454, 134.486

Inverse Universe

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



42, 23.650, 319.132



51, 35.267, 319.403



42, 20.881, 334.834



24, 4.608, 318.309



24, 69.650, 319.975



50, 117.465, 319.569

Previews

White Background



This preview shows how the CIE LCh color 49, 23.307, 136.594 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, 23.307, 136.594 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

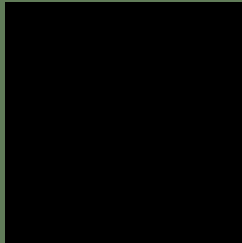
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 23.307, 136.594

Background



This preview shows how black text looks on a background with the CIELCh color 49, 23.307, 136.594.



This preview shows how white text looks on a background with the CIELCh color 49, 23.307, 136.594.

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, 23.307, 136.594

Protanopia

49, 18.495, 95.193

Deuteranopia

49, 16.312, 65.548



Tritanopia
49, 7.901, 241.094

Trichromacy



Original Color
49, 23.307, 136.594

Protanomaly
49, 19.204, 112.858

Deuteranomaly
49, 15.389, 98.263

Tritanomaly
49, 8.966, 171.149

Monochromacy



Original Color
49, 23.307, 136.594

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 8.208, 139.345

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 23.307, 136.594 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(97, 124, 89)` looks like.

```
.text, #text, p{  
    color:rgb(97, 124, 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(97, 124, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 124, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 23.307, 136.594 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(97, 124, 89) }
```

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

```
.border{ border-color:rgb(97, 124, 89) }
```

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

Here you see how a box with a 4 pixel rgb(97, 124, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 124, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 124, 89);  
box-shadow:4px 4px 4px 4px rgb(97, 124,  
89) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 23.307, 136.594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 124, 89) }
```

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

```
.background{ background-color: rgb(97, 124,  
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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