

Converting Colors

CIELCh(49, 21.964, 142.887)

Have a look what the booklet for
CIELCh(49, 21.964, 142.887)
contains.

CIELCh(49, 22.209, 142.855)	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, 22.209, 142.855)

Conversions

Conversions Part 1

Format	Color
Hex	5D7C5D
RGB	93, 124, 93
RGB Percent	36%, 49%, 36%
CMY	0.6346, 0.5130, 0.6346
CMYK	0.25, 0.00, 0.25, 0.51
HSL	120°, 14%, 43%
HSV	120°, 25%, 49%
XYZ	13.7488, 17.5941, 13.0699
YIQ	111.1970, -8.5250, -16.2130

Conversions

Conversions Part 2

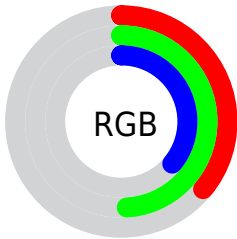
Format	Color
R_{YB}	93, 124, 124
Decimal	6126685
CIE _{Lab}	49.00, -17.70, 13.41
CIE _{LCh}	49, 22.209, 142.855
Yxy	17.5941, 0.3096, 0.3961
Android (android.graphics.Color)	4284316765 (0xFF5D7C5D)
YUV	111.1970, -8.9711, -15.9588
Hunter-Lab	41.9453, -14.8956, 10.8873

Details

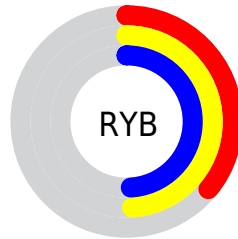
The CIELCh color **49, 22.209, 142.855** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **44, 22.220, 325.737**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 22.593, 142.506**, and **29, 22.087, 142.823** is the 20% darker color. If you saturate the color by 10%, you get **48, 31.023, 142.029**, and if you desaturate by 10%, it is **50, 13.285, 143.574**.

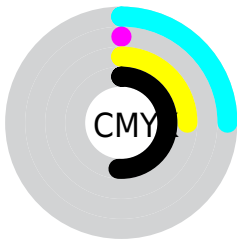
Distribution



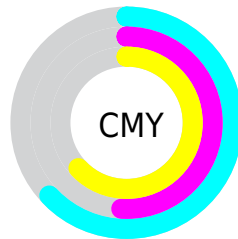
- Red (36%)
- Green (49%)
- Blue (36%)



- Red (36%)
- Yellow (49%)
- Blue (49%)



- Cyan (25%)
- Magenta (0%)
- Yellow (25%)
- Black (51%)



- Cyan (63%)
- Magenta (51%)
- Yellow (63%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 22.209, 142.855 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, 22.209, 142.855 by changing the saturation by 10% instead.

 49, 22.209,
142.855


 49, 22.209,
142.855

 100, 22.209,
142.855


 39, 22.209,
142.855

 69, 22.209,
142.855


 29, 22.209,
142.855

 79, 22.209,
142.855

 19, 22.209,
142.855

 89, 22.209,
142.855

 9, 22.209, 142.855

 99, 22.209,
142.855

 0, 22.209, 142.855

 49, 22.209,

 49, 22.209,

142.855

142.855

■ 48, 31.023,
142.029

■ 50, 13.285,
143.574

■ 47, 39.550,
141.090

■ 51, 4.380, 144.212

■ 46, 47.572,
140.056

■ 53, 4.407, 324.649

■ 46, 54.819,
138.967

■ 54, 13.010,
325.119

■ 45, 60.981,
137.905

■ 56, 21.384,
325.500

■ 45, 65.726,
136.989

■ 58, 29.506,
325.824

■ 45, 68.880,
136.329

■ 59, 37.364,
326.099

■ 45, 70.307,
136.015

■ 61, 44.957,
326.335

■ 63, 52.289,
326.538

Harmonies

Complementary

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



49, 22.209, 142.855



44, 22.220, 325.737

Rectangle

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



49, 22.209, 142.855



49, 22.209, 192.855



49, 22.209, 322.855



49, 22.209, 12.855

Sweetspot

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



49, 22.210, 142.855



65, 7.631, 144.073



51, 17.565, 107.164



34, 4.999, 144.046



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, 22.210, 142.855



62, 32.911, 142.395



49, 15.551, 160.650



25, 4.922, 143.955



45, 70.614, 136.015



87, 118.869, 136.016

Inverse Universe

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



44, 22.220, 325.737



54, 32.907, 326.031



43, 15.983, 344.864



24, 4.930, 324.892



29, 68.132, 328.230



60, 114.690, 328.230

Previews

White Background



This preview shows how the CIE LCh color 49, 22.209, 142.855 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, 22.209, 142.855 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

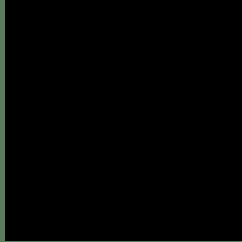
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 22.209, 142.855

Background



This preview shows how black text looks on a background with the CIELCh color 49, 22.209, 142.855.



This preview shows how white text looks on a background with the CIELCh color 49, 22.209, 142.855.

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

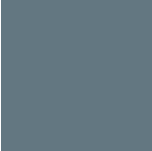
49, 22.209, 142.855

Protanopia

49, 16.135, 95.407

Deuteranopia

49, 13.544, 63.479



Tritanopia
49, 9.328, 238.046

Trichromacy



Original Color
49, 22.209, 142.855

Protanomaly
49, 16.483, 117.047

Deuteranomaly
49, 12.330, 102.486

Tritanomaly
49, 9.834, 180.917

Monochromacy



Original Color
49, 22.209, 142.855

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 7.932, 143.935

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 22.209, 142.855 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(93, 124, 93)` looks like.

```
.text, #text, p{  
    color:rgb(93, 124, 93)  
}
```

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(93, 124, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 124, 93) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 22.209, 142.855 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(93, 124, 93) }
```

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

```
.border{ border-color:rgb(93, 124, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 124, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 124, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 124, 93);  
box-shadow:4px 4px 4px 4px rgb(93, 124,  
93) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 22.209, 142.855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 124, 93) }
```

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

```
.background{ background-color: rgb(93, 124,  
93) }
```

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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