

Converting Colors

CIELCh(50, 49.874, 21.371)

Have a look what the booklet for
CIELCh(50, 49.874, 21.371) contains.

CIELCh(50, 49.753, 21.314)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(50, 49.753, 21.314)

Conversions

Conversions Part 1

Format	Color
Hex	C4525B
RGB	196, 82, 91
RGB Percent	77%, 32%, 36%
CMY	0.2329, 0.6797, 0.6443
CMYK	0.00, 0.58, 0.54, 0.23
HSL	355°, 49%, 54%
HSV	355°, 58%, 77%
XYZ	27.5330, 18.4187, 11.9324
YIQ	117.1120, 65.0550, 26.9670

Conversions

Conversions Part 2

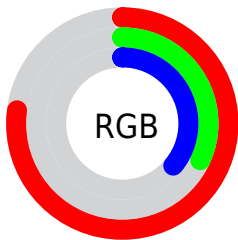
Format	Color
RYB	196, 82, 91
Decimal	12866139
CIELab	50.00, 46.35, 18.08
CIElCh	50, 49.753, 21.314
Yxy	18.4187, 0.4757, 0.3182
Android (android.graphics.Color)	4291056219 (0xFFC4525B)
YUV	117.1120, -12.8732, 69.1848
Hunter-Lab	42.9170, 39.4106, 13.5572

Details

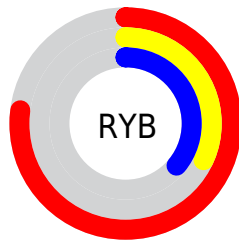
The CIELCh color **50, 49.753, 21.314** is a dark color, and the websafe version is hex **CC6666**. The color can be described as dark muted red. A complement of this color would be **73, 34.619, 188.574**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 49.234, 21.007**, and **30, 49.502, 21.065** is the 20% darker color. If you saturate the color by 10%, you get **46, 58.806, 24.343**, and if you desaturate by 10%, it is **54, 40.493, 18.929**.

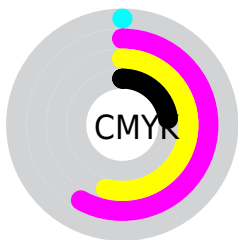
Distribution



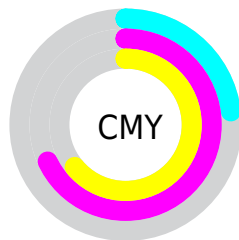
- Red (77%)
- Green (32%)
- Blue (36%)



- Red (77%)
- Yellow (32%)
- Blue (36%)



- Cyan (0%)
- Magenta (58%)
- Yellow (54%)
- Black (23%)



- Cyan (23%)
- Magenta (68%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 49.753, 21.314 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 50, 49.753, 21.314 by changing the saturation by 10% instead.

■ 50, 49.753, 21.314

■ 50, 49.753, 21.314

■ 100, 49.753,
21.314

■ 40, 49.753, 21.314

■ 70, 49.753, 21.314

■ 30, 49.753, 21.314

■ 80, 49.753, 21.314

■ 20, 49.753, 21.314

■ 90, 49.753, 21.314

■ 10, 49.753, 21.314

■ 0, 49.753, 21.314

■ 50, 49.753, 21.314

■ 50, 49.753, 21.314

■ 46, 58.806, 24.343

■ 54, 40.493, 18.929

■ 44, 67.345, 28.066

■ 59, 31.326, 17.059

■ 42, 75.039, 32.329

■ 64, 22.468, 15.586

41, 81.397, 36.448

69, 14.052, 14.404

41, 82.370, 37.006

74, 6.141, 13.413

80, 1.255, 193.149

86, 8.157, 192.147

91, 14.602,
191.573

96, 19.574,
194.896

Harmonies

Complementary

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



50, 49.753, 21.314



73, 34.619, 188.574

Rectangle

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



50, 49.753, 21.314



50, 49.753, 71.314



50, 49.753, 201.314



50, 49.753, 251.314

Sweetspot

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



50, 49.750, 21.317



88, 16.179, 14.300



52, 70.658, 324.787



46, 10.896, 14.518



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



50, 49.750, 21.317



59, 74.851, 25.337



60, 41.545, 59.980



38, 4.203, 13.519



33, 70.658, 36.397



3, 14.054, 15.085

Inverse Universe

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



50, 49.750, 21.317



59, 74.851, 25.337



59, 31.765, 257.097



38, 4.203, 13.519



33, 70.658, 36.397



3, 14.054, 15.085

Previews

White Background



This preview shows how the CIELCh color 50, 49.753, 21.314 looks on a white background.

Color Contrast Check

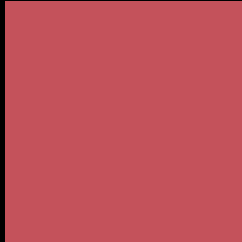
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 50, 49.753, 21.314 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 50, 49.753, 21.314

Background



This preview shows how black text looks on a background with the CIELCh color 50, 49.753, 21.314.

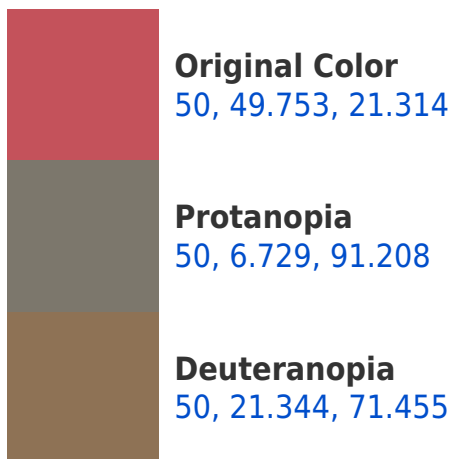


This preview shows how white text looks on a background with the CIELCh color 50, 49.753, 21.314.

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





Tritanopia
50, 49.752, 23.138

Trichromacy



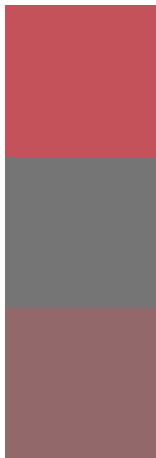
Original Color
50, 49.753, 21.314

Protanomaly
49, 19.733, 26.811

Deuteranomaly
49, 28.651, 39.866

Tritanomaly
50, 49.607, 22.496

Monochromacy



Original Color
50, 49.753, 21.314

Achromatopsia
49, 0.007, 296.813

Achromatomaly
48, 18.018, 16.171

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 49.753, 21.314 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(196, 82, 91)` looks like.

```
.text, #text, p{  
    color:rgb(196, 82, 91)  
}
```

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(196, 82, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 82, 91) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 49.753, 21.314 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(196, 82, 91) }
```

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

```
.border{ border-color:rgb(196, 82, 91) }
```

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

Here you see how a box with a 4 pixel rgb(196, 82, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 82, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 82, 91);  
box-shadow:4px 4px 4px 4px rgb(196, 82,  
91) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 49.753, 21.314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 82, 91) }
```

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

```
.background{ background-color: rgb(196, 82,  
91) }
```

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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