

Converting Colors

CIELCh(49, 53.077, 103.623)

Have a look what the booklet for
CIELCh(49, 53.077, 103.623)
contains.

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Color

CIELCh(49, 53.231, 103.691)

Conversions

Conversions Part 1

Format	Color
Hex	78790C
RGB	120, 121, 12
RGB Percent	47%, 47%, 5%
CMY	0.5308, 0.5267, 0.9510
CMYK	0.01, 0.00, 0.90, 0.53
HSL	61°, 81%, 26%
HSV	61°, 90%, 47%
XYZ	14.5666, 17.5941, 2.9917
YIQ	108.2750, 34.3930, -34.1110

Conversions

Conversions Part 2

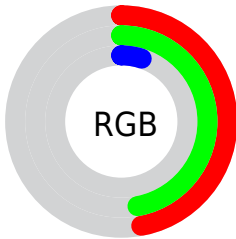
Format	Color
R_{YB}	12, 121, 13
Decimal	7895308
CIE Lab	49.00, -12.60, 51.72
CIE LCh	49, 53.231, 103.691
Yxy	17.5941, 0.4144, 0.5005
Android (android.graphics.Color)	4286085388 (0xFF78790C)
YUV	108.2750, -47.4636, 10.2828
Hunter-Lab	41.9453, -11.4155, 25.1330

Details

The CIELCh color **49, 53.231, 103.691** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **14, 70.991, 304.899**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 53.315, 103.779**, and **29, 39.384, 106.666** is the 20% darker color. If you saturate the color by 10%, you get **49, 55.646, 103.430**, and if you desaturate by 10%, it is **49, 49.923, 104.078**.

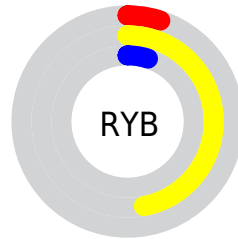
Distribution



Red (47%)

Green (47%)

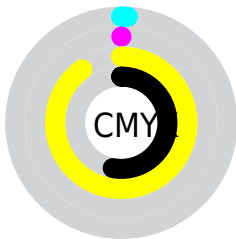
Blue (5%)



Red (5%)

Yellow (47%)

Blue (5%)

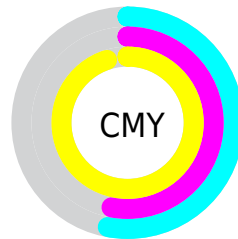


Cyan (1%)

Magenta (0%)

Yellow (90%)

Black (53%)



Cyan (53%)


Magenta (53%)


Yellow (95%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 53.231, 103.691 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, 53.231, 103.691 by changing the saturation by 10% instead.


 49, 53.231,
103.691


 49, 53.231,
103.691


 100, 53.231,
103.691


 39, 53.231,
103.691

 69, 53.231,
103.691


 29, 53.231,
103.691

 79, 53.231,
103.691

 19, 53.231,
103.691

 89, 53.231,
103.691

 9, 53.231, 103.691

 99, 53.231,
103.691

 0, 53.231, 103.691

 49, 53.231,

 49, 53.231,

103.691

■ 49, 55.646,
103.430

■ 49, 55.732,
103.420

103.691

■ 49, 49.923,
104.078

■ 49, 45.397,
104.634

■ 49, 39.953,
105.325

■ 49, 33.878,
106.113

■ 50, 27.392,
106.966

■ 50, 20.650,
107.858

■ 50, 13.754,
108.767

■ 50, 6.773, 109.676

Harmonies

Complementary

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



49, 53.231, 103.691



14, 70.991, 304.899

Rectangle

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



49, 53.231, 103.691



49, 53.231, 153.691



49, 53.231, 283.691



49, 53.231, 333.691

Sweetspot

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



49, 53.231, 103.693



64, 23.480, 108.036



25, 53.992, 35.816



33, 15.709, 107.796



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



49, 53.231, 103.693



63, 67.805, 103.434



45, 58.949, 126.798



26, 3.997, 109.727



51, 57.139, 103.422



96, 96.186, 103.453

Inverse Universe

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



14, 70.991, 304.899



18, 93.563, 306.321



19, 66.867, 312.499



23, 4.080, 291.430



13, 78.832, 306.332



32, 132.759, 306.306

Previews

White Background



This preview shows how the CIELCh color 49, 53.231, 103.691 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 49, 53.231, 103.691 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

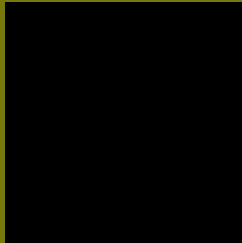
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 53.231, 103.691

Background



This preview shows how black text looks on a background with the CIELCh color 49, 53.231, 103.691.



This preview shows how white text looks on a background with the CIELCh color 49, 53.231, 103.691.

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, 53.447, 103.662

Protanopia

49, 52.717, 95.704

Deuteranopia

49, 50.498, 82.482



Tritanopia
49, 8.372, 341.352

Trichromacy



Original Color
49, 53.447, 103.662

Protanomaly
49, 52.568, 98.394

Deuteranomaly
49, 50.538, 90.555

Tritanomaly
49, 19.754, 94.398

Monochromacy



Original Color
49, 53.447, 103.662

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 23.265, 108.055

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 53.231, 103.691 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(120, 121, 12)` looks like.

```
.text, #text, p{  
    color:rgb(120, 121, 12)  
}
```

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(120, 121, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 121, 12) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 53.231, 103.691 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(120, 121, 12) }
```

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

```
.border{ border-color:rgb(120, 121, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 121, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 121, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 121, 12);  
box-shadow:4px 4px 4px 4px rgb(120, 121,  
12) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 53.231, 103.691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 121, 12) }
```

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

```
.background{ background-color: rgb(120,  
121, 12) }
```

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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