

Converting Colors

CIELCh(50, 4.105, 21.104)

Have a look what the booklet for
CIELCh(50, 4.105, 21.104) contains.

CIELCh(50, 4.091, 19.780)	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, 4.091, 19.780)

Conversions

Conversions Part 1

Format	Color
Hex	7F7575
RGB	127, 117, 117
RGB Percent	50%, 46%, 46%
CMY	0.5032, 0.5423, 0.5424
CMYK	0.00, 0.08, 0.08, 0.50
HSL	0°, 4%, 48%
HSV	0°, 8%, 50%
XYZ	18.2267, 18.4187, 19.3317
YIQ	119.9900, 5.9600, 2.1200

Conversions

Conversions Part 2

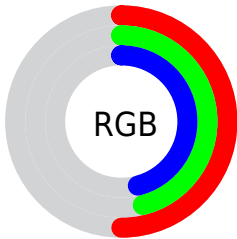
Format	Color
R _Y B	127, 117, 117
Decimal	8353141
CIE Lab	50.00, 3.85, 1.38
CIE LCh	50, 4.091, 19.780
Yxy	18.4187, 0.3256, 0.3290
Android (android.graphics.Color)	4286543221 (0xFF7F7575)
YUV	119.9900, -1.4741, 6.1478
Hunter-Lab	42.9170, 0.7038, 3.3351

Details

The CIELCh color $50, 4.091, 19.780$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $52, 3.900, 199.110$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $70, 4.196, 19.655$, and $30, 4.055, 20.009$ is the 20% darker color. If you saturate the color by 10%, you get $46, 9.632, 20.588$, and if you desaturate by 10%, it is $54, 1.052, 199.693$.

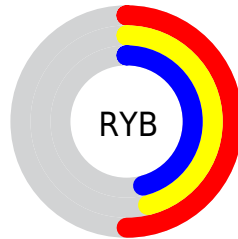
Distribution



Red (50%)

Green (46%)

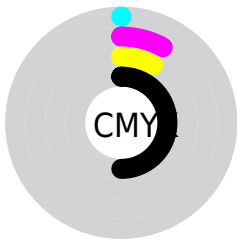
Blue (46%)



Red (50%)

Yellow (46%)

Blue (46%)

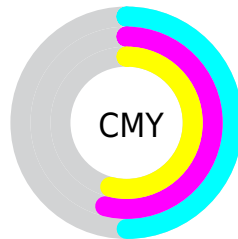


Cyan (0%)

Magenta (8%)

Yellow (8%)

Black (50%)



Cyan (50%)












Magenta (54%)

Yellow (54%)

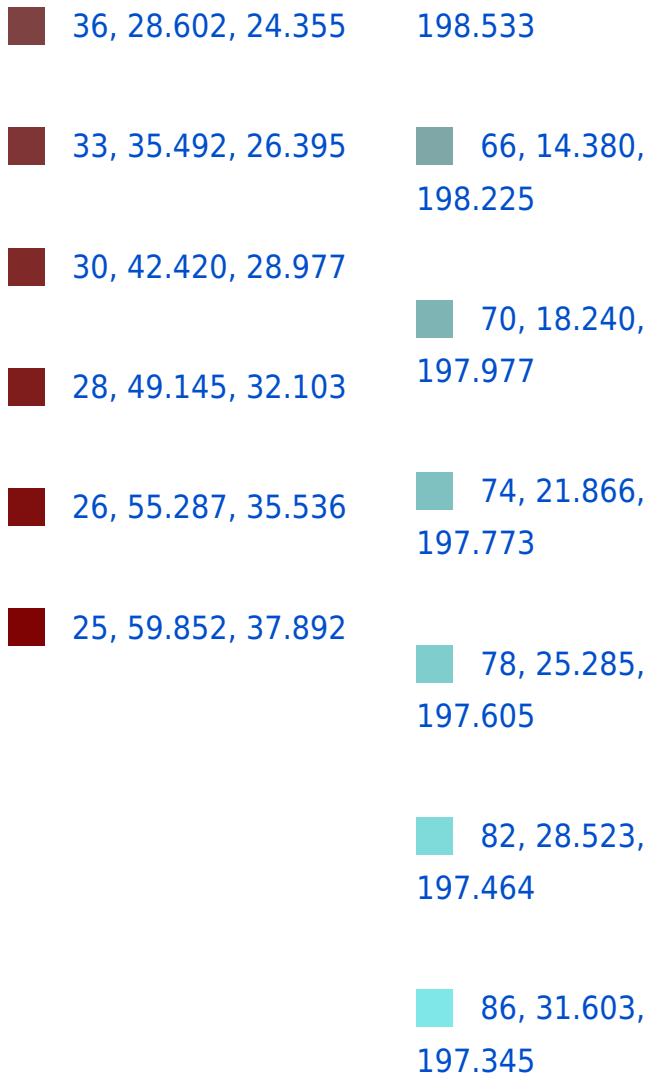
Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 4.091, 19.780 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, 4.091, 19.780 by changing the saturation by 10% instead.

 50, 4.091, 19.780	 50, 4.091, 19.780
 100, 4.091, 19.780	 40, 4.091, 19.780
 70, 4.091, 19.780	 30, 4.091, 19.780
 80, 4.091, 19.780	 20, 4.091, 19.780
 90, 4.091, 19.780	 10, 4.091, 19.780
	 0, 4.091, 19.780

 50, 4.091, 19.780	 50, 4.091, 19.780
 46, 9.632, 20.588	 54, 1.052, 199.693
 42, 15.583, 21.546	 58, 5.821, 198.929
 39, 21.927, 22.772	 62, 10.252,



Harmonies

Complementary

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



50, 4.091, 19.780



52, 3.900, 199.110

Rectangle

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



50, 4.091, 19.780



50, 4.091, 69.780



50, 4.091, 199.780



50, 4.091, 249.780

Sweetspot

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



50, 4.090, 19.799



67, 1.264, 19.162



50, 7.100, 324.830



35, 0.724, 19.125



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



50, 4.090, 19.799



64, 5.841, 19.900



51, 3.534, 74.427



25, 2.950, 19.892



25, 61.098, 38.351



0, 0.000, 0.000

Inverse Universe

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



52, 3.900, 199.110



67, 5.525, 199.028



51, 3.477, 256.462



26, 2.793, 199.035



48, 29.969, 196.418



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 50, 4.091, 19.780 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, 4.091, 19.780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

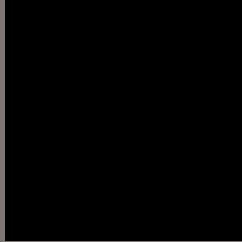
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 4.091, 19.780

Background



This preview shows how black text looks on a background with the CIELCh color 50, 4.091, 19.780.



This preview shows how white text looks on a background with the CIELCh color 50, 4.091, 19.780.

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


50, 4.091, 19.780

Protanopia

50, 1.213, 19.233

Deuteranopia

50, 6.682, 10.117



Tritanopia
50, 7.859, 332.221

Trichromacy



Original Color
50, 4.091, 19.780

Protanomaly
50, 2.028, 19.450

Deuteranomaly
50, 5.365, 13.738

Tritanomaly
50, 5.999, 344.353

Monochromacy



Original Color
50, 4.091, 19.780

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 1.211, 19.230

CSS Examples

Text

The CSS property to change the color of the text to CIElCh 50, 4.091, 19.780 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(127, 117, 117)` looks like.

```
.text, #text, p{  
    color:rgb(127, 117, 117)  
}
```

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(127, 117, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 117, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 4.091, 19.780 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(127, 117, 117) }
```

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

```
.border{ border-color:rgb(127, 117, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 117, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 117, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 117, 117);  
box-shadow:4px 4px 4px 4px rgb(127, 117,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 4.091, 19.780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 117, 117) }
```

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

```
.background{ background-color: rgb(127,  
117, 117) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor