

Converting Colors

CIELCh(43, 2.016, 19.497)

Have a look what the booklet for
CIELCh(43, 2.016, 19.497) contains.

CIELCh(43, 2.090, 19.512)	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(43, 2.090, 19.512)

Conversions

Conversions Part 1

Format	Color
Hex	696464
RGB	105, 100, 100
RGB Percent	41%, 39%, 39%
CMY	0.5865, 0.6061, 0.6061
CMYK	0.00, 0.05, 0.05, 0.59
HSL	0°, 2%, 40%
HSV	0°, 5%, 41%
XYZ	12.7989, 13.1578, 14.0336
YIQ	101.4950, 2.9800, 1.0600

Conversions

Conversions Part 2

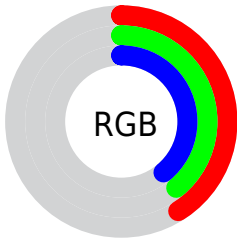
Format	Color
R_{YB}	105, 100, 100
Decimal	6906980
CIE Lab	43.00, 1.97, 0.70
CIE LCh	43, 2.090, 19.512
Yxy	13.1578, 0.3201, 0.3290
Android (android.graphics.Color)	4285097060 (0xFF696464)
YUV	101.4950, -0.7370, 3.0739
Hunter-Lab	36.2736, -0.4961, 2.4533

Details

The CIELCh color $43, 2.090, 19.512$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $44, 2.031, 199.364$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $63, 1.937, 19.357$, and $23, 2.338, 19.768$ is the 20% darker color. If you saturate the color by 10%, you get $40, 6.737, 20.320$, and if you desaturate by 10%, it is $46, 2.228, 199.340$.

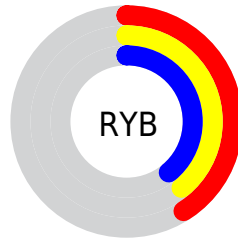
Distribution



Red (41%)

Green (39%)

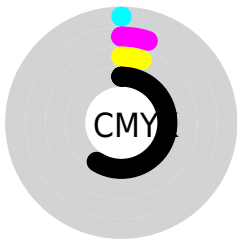
Blue (39%)



Red (41%)

Yellow (39%)

Blue (39%)

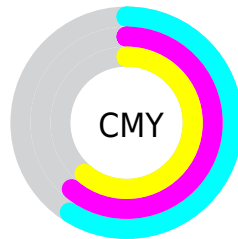


Cyan (0%)

Magenta (5%)

Yellow (5%)

Black (59%)



Cyan (59%)

Magenta (61%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 43, 2.090, 19.512 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 43, 2.090, 19.512 by changing the saturation by 10% instead.

■ 43, 2.090, 19.512 ■ 43, 2.090, 19.512

100, 2.090, 19.512 ■ 33, 2.090, 19.512

■ 63, 2.090, 19.512 ■ 23, 2.090, 19.512

■ 73, 2.090, 19.512 ■ 13, 2.090, 19.512

■ 83, 2.090, 19.512 ■ 3, 2.090, 19.512

■ 93, 2.090, 19.512 ■ 0, 2.090, 19.512

■ 43, 2.090, 19.512 ■ 43, 2.090, 19.512

■ 40, 6.737, 20.320 ■ 46, 2.228, 199.340

■ 36, 11.730, 21.187 ■ 50, 6.240, 198.821

■ 33, 17.062, 22.279 ■ 53, 9.975, 198.462

■ 30, 22.699, 23.682

■ 57, 13.462,
198.177

■ 28, 28.563, 25.484

■ 60, 16.732,
197.946

■ 25, 34.529, 27.775

■ 23, 40.422, 30.607

■ 63, 19.808,
197.755

■ 22, 45.946, 33.789

■ 67, 22.716,
197.596

■ 21, 49.991, 35.680

■ 70, 25.475,
197.462

■ 74, 28.103,
197.349

Harmonies

Complementary

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



43, 2.090, 19.512



44, 2.031, 199.364

Rectangle

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



43, 2.090, 19.512



43, 2.090, 69.512



43, 2.090, 199.512



43, 2.090, 249.512

Sweetspot

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



43, 2.089, 19.544



57, 0.541, 18.726



43, 3.665, 324.642



29, 0.305, 18.650



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



43, 2.089, 19.544



55, 3.306, 19.668



44, 1.813, 74.754



21, 1.764, 19.677



23, 56.946, 37.587



51, 101.386, 40.003

Inverse Universe

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



44, 2.031, 199.364



57, 3.188, 199.252



43, 1.802, 256.102



22, 1.700, 199.244



44, 28.221, 196.447



88, 48.560, 196.450

Previews

White Background



This preview shows how the CIELCh color 43, 2.090, 19.512 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 43, 2.090, 19.512 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

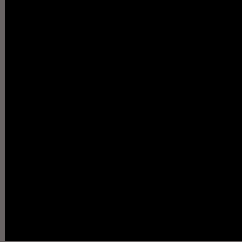
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 43, 2.090, 19.512

Background



This preview shows how black text looks on a background with the CIELCh color 43, 2.090, 19.512.

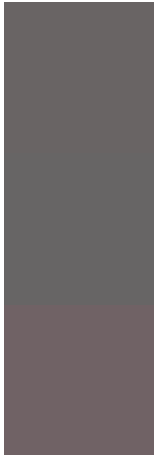


This preview shows how white text looks on a background with the CIELCh color 43, 2.090, 19.512.

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


43, 2.090, 19.512

Protanopia

43, 0.831, 19.106

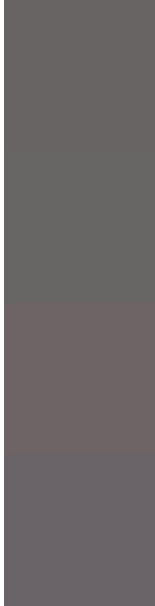
Deuteranopia

43, 6.168, 3.252



Tritanopia
43, 5.634, 321.311

Trichromacy



Original Color

43, 2.090, 19.512

Protanomaly

43, 1.248, 19.294

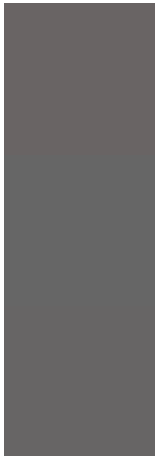
Deuteranomaly

43, 4.778, 5.453

Tritanomaly

43, 3.915, 329.663

Monochromacy



Original Color

43, 2.090, 19.512

Achromatopsia

43, 0.006, 296.813

Achromatomaly

43, 0.831, 19.106

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 2.090, 19.512 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(105, 100, 100)` looks like.

```
.text, #text, p{  
    color:rgb(105, 100, 100)  
}
```

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(105, 100, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 100, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 2.090, 19.512 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(105, 100, 100) }
```

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

```
.border{ border-color:rgb(105, 100, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 100, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 100, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 100, 100);  
box-shadow:4px 4px 4px 4px rgb(105, 100,  
100) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 2.090, 19.512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 100, 100) }
```

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

```
.background{ background-color: rgb(105,  
100, 100) }
```

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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