

Converting Colors

CIELCh(43, 11.838, 289.295)

Have a look what the booklet for
CIELCh(43, 11.838, 289.295)
contains.

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Color

CIELCh(43, 12.049, 290.101)

Conversions

Conversions Part 1

Format	Color
Hex	636478
RGB	99, 100, 120
RGB Percent	39%, 39%, 47%
CMY	0.6113, 0.6073, 0.5289
CMYK	0.17, 0.17, 0.00, 0.53
HSL	237°, 10%, 43%
HSV	237°, 17%, 47%
XYZ	13.1270, 13.1578, 19.6588
YIQ	101.9810, -7.0160, 6.0080

Conversions

Conversions Part 2

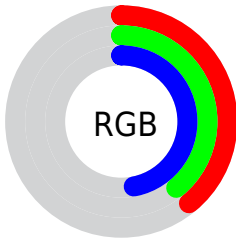
Format	Color
R_{YB}	99, 100, 120
Decimal	6513784
CIE Lab	43.00, 4.14, -11.32
CIE LCh	43, 12.049, 290.101
Yxy	13.1578, 0.2857, 0.2864
Android (android.graphics.Color)	4284703864 (0xFF636478)
YUV	101.9810, 8.8834, -2.6143
Hunter-Lab	36.2736, 1.1181, -6.7412

Details

The CIELCh color $43, 12.049, 290.101$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $50, 11.640, 106.529$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $63, 11.757, 289.683$, and $23, 12.708, 291.117$ is the 20% darker color. If you saturate the color by 10%, you get $39, 19.300, 291.430$, and if you desaturate by 10%, it is $47, 5.066, 288.964$.

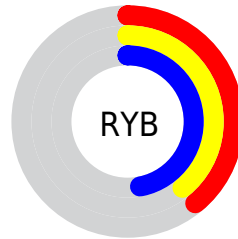
Distribution



Red (39%)

Green (39%)

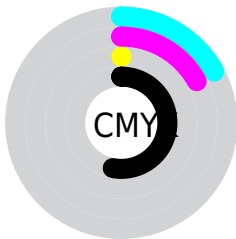
Blue (47%)



Red (39%)

Yellow (39%)

Blue (47%)

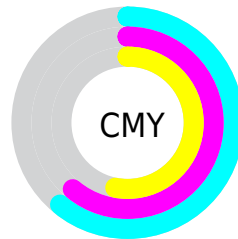


Cyan (17%)

Magenta (17%)

Yellow (0%)

Black (53%)



Cyan (61%)


Magenta (61%)


Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 43, 12.049, 290.101 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, 12.049, 290.101 by changing the saturation by 10% instead.


 43, 12.049,
290.101


 43, 12.049,
290.101


 100, 12.049,
290.101


 33, 12.049,
290.101


 63, 12.049,
290.101


 23, 12.049,
290.101

 73, 12.049,
290.101

 13, 12.049,
290.101


 83, 12.049,
290.101

 3, 12.049, 290.101

 93, 12.049,
290.101

 0, 12.049, 290.101

 43, 12.049,

 43, 12.049,

290.101

■ 39, 19.300,
291.430

■ 34, 26.842,
292.983

■ 30, 34.685,
294.774

■ 26, 42.811,
296.801

■ 22, 51.119,
299.015

■ 18, 59.326,
301.290

■ 15, 66.827,
303.402

■ 13, 72.745,
305.005

290.101

■ 47, 5.066, 288.964

■ 52, 1.665, 107.940

■ 56, 8.164, 107.128

■ 60, 14.447,
106.408

■ 64, 20.528,
105.782

■ 68, 26.419,
105.238

■ 72, 32.132,
104.762

■ 76, 37.677,
104.344

■ 80, 43.064,

■ 13, 74.101,
305.336

103.976

Harmonies

Complementary

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



43, 12.049, 290.101



50, 11.640, 106.529

Rectangle

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



43, 12.049, 290.101



43, 12.049, 340.101



43, 12.049, 110.101



43, 12.049, 160.101

Sweetspot

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



43, 12.048, 290.099



62, 4.167, 288.724



49, 8.143, 194.187



32, 2.868, 288.781



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



43, 12.048, 290.099



53, 18.015, 290.610



44, 13.216, 308.117



23, 3.882, 289.133



13, 76.337, 305.377



33, 130.923, 305.896

Inverse Universe

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



44, 8.981, 16.751



55, 13.514, 17.145



49, 12.886, 126.522



24, 2.854, 16.005



25, 58.720, 36.276



53, 101.959, 38.691

Previews

White Background



This preview shows how the CIE LCh color 43, 12.049, 290.101 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, 12.049, 290.101 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

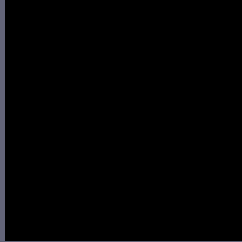
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

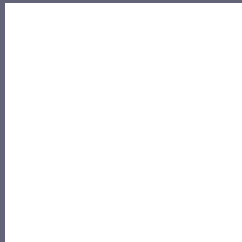
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 43, 12.049, 290.101

Background



This preview shows how black text looks on a background with the CIELCh color 43, 12.049, 290.101.

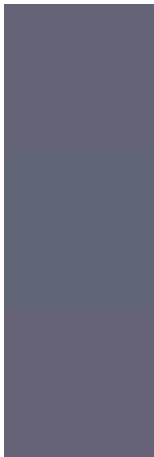


This preview shows how white text looks on a background with the CIELCh color 43, 12.049, 290.101.

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, 12.049, 290.101

Protanopia

43, 11.500, 284.234

Deuteranopia

43, 12.739, 297.183



Tritanopia
43, 5.165, 268.345

Trichromacy



Original Color
43, 12.049, 290.101

Protanomaly
43, 11.465, 286.105

Deuteranomaly
43, 12.706, 295.458

Tritanomaly
43, 7.890, 282.781

Monochromacy



Original Color
43, 12.049, 290.101

Achromatopsia
43, 0.006, 296.813

Achromatomaly
43, 4.818, 290.885

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 12.049, 290.101 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(99, 100, 120)` looks like.

```
.text, #text, p{  
    color:rgb(99, 100, 120)  
}
```

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(99, 100, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 100, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 12.049, 290.101 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(99, 100, 120) }
```

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

```
.border{ border-color:rgb(99, 100, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 100, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 100, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 100, 120);  
box-shadow:4px 4px 4px 4px rgb(99, 100,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 12.049, 290.101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 100, 120) }
```

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

```
.background{ background-color: rgb(99, 100,  
120) }
```

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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