

Converting Colors

CIELCh(43, 12.473, 259.820)

Have a look what the booklet for
CIELCh(43, 12.473, 259.820)
contains.

CIELCh(43, 12.456, 259.780)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(43, 12.456, 259.780)

Conversions

Conversions Part 1

Format	Color
Hex	56687A
RGB	86, 104, 122
RGB Percent	34%, 41%, 48%
CMY	0.6645, 0.5940, 0.5234
CMYK	0.30, 0.15, 0.00, 0.52
HSL	210°, 17%, 41%
HSV	210°, 30%, 48%
XYZ	12.1828, 13.1578, 20.1551
YIQ	100.6700, -16.5060, 1.7820

Conversions

Conversions Part 2

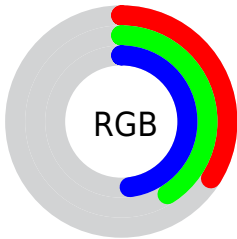
Format	Color
R_{YB}	86, 98, 122
Decimal	5662842
CIE _{Lab}	43.00, -2.21, -12.26
CIE _{LCh}	43, 12.456, 259.780
Yxy	13.1578, 0.2678, 0.2892
Android (android.graphics.Color)	4283852922 (0xFF56687A)
YUV	100.6700, 10.5157, -12.8656
Hunter-Lab	36.2736, -3.5280, -7.5524

Details

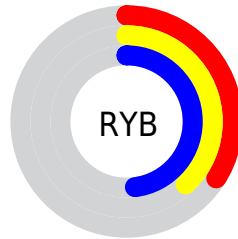
The CIELCh color **43, 12.456, 259.780** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **45, 13.463, 71.886**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **63, 12.207, 259.939**, and **23, 12.328, 259.334** is the 20% darker color. If you saturate the color by 10%, you get **40, 16.544, 261.797**, and if you desaturate by 10%, it is **46, 8.298, 258.074**.

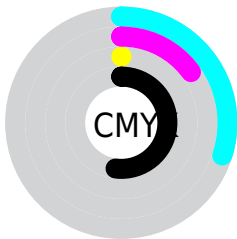
Distribution



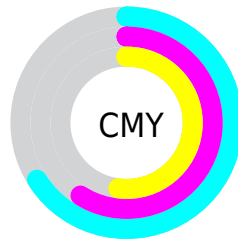
- Red (34%)
- Green (41%)
- Blue (48%)



- Red (34%)
- Yellow (38%)
- Blue (48%)



- Cyan (30%)
- Magenta (15%)
- Yellow (0%)
- Black (52%)




- Cyan (66%)
- Magenta (59%)
- Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 43, 12.456, 259.780 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 43, 12.456, 259.780 by changing the saturation by 10% instead.


 43, 12.456,
259.780


 43, 12.456,
259.780


 100, 12.456,
259.780


 33, 12.456,
259.780

 63, 12.456,
259.780


 23, 12.456,
259.780

 73, 12.456,
259.780

 13, 12.456,
259.780


 83, 12.456,
259.780

 3, 12.456, 259.780

 93, 12.456,
259.780

 0, 12.456, 259.780

 43, 12.456,

 43, 12.456,

259.780

40, 16.544,
261.797

38, 20.556,
264.184

35, 24.491,
266.988

33, 28.365,
270.243

30, 32.215,
273.946

28, 36.092,
278.039

26, 40.097,
282.110

26, 40.259,
282.257

259.780

46, 8.298, 258.074

48, 4.087, 256.653

51, 0.162, 73.781

54, 4.436, 74.236

57, 8.718, 73.351

59, 12.999, 72.568

62, 17.268, 71.880

65, 21.516, 71.273

68, 25.738, 70.734

Harmonies

Complementary

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



43, 12.456, 259.780



45, 13.463, 71.886

Rectangle

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



43, 12.456, 259.780



43, 12.456, 309.780



43, 12.456, 79.780



43, 12.456, 129.780

Sweetspot

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



43, 12.455, 259.777



62, 4.750, 256.604



48, 18.067, 160.192



32, 3.281, 256.757



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, 12.455, 259.777



53, 18.689, 261.212



38, 21.801, 292.979



24, 2.411, 256.585



27, 41.185, 282.400



54, 73.041, 284.987

Inverse Universe

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



41, 18.470, 346.245



50, 27.892, 347.037



50, 20.411, 106.734



24, 3.473, 344.313



26, 50.115, 0.440



54, 83.991, 2.902

Previews

White Background



This preview shows how the CIE LCh color 43, 12.456, 259.780 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 43, 12.456, 259.780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

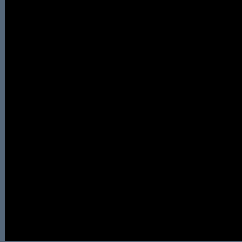
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

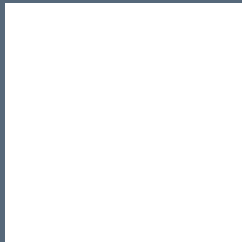
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 43, 12.456, 259.780

Background



This preview shows how black text looks on a background with the CIELCh color 43, 12.456, 259.780.



This preview shows how white text looks on a background with the CIELCh color 43, 12.456, 259.780.

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

43, 12.456, 259.780

Protanopia

43, 11.460, 288.011

Deuteranopia

43, 13.907, 295.299



Tritanopia
43, 9.147, 230.547

Trichromacy



Original Color
43, 12.456, 259.780

Protanomaly
43, 11.751, 277.007

Deuteranomaly
43, 12.781, 281.868

Tritanomaly
43, 9.958, 245.590

Monochromacy



Original Color
43, 12.456, 259.780

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 4.801, 261.043

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 12.456, 259.780 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(86, 104, 122)` looks like.

```
.text, #text, p{  
    color:rgb(86, 104, 122)  
}
```

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(86, 104, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 104, 122) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 12.456, 259.780 is called "border". The border property can be set on classes, ids or directly on the HTML element.

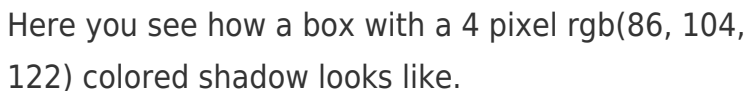
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(86, 104, 122) }
```

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

```
.border{ border-color:rgb(86, 104, 122) }
```

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



Here you see how a box with a 4 pixel `rgb(86, 104, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(86, 104, 122); -webkit-box-shadow:4px 4px 4px 4px rgb(86, 104, 122); box-shadow:4px 4px 4px 4px rgb(86, 104, 122) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 12.456, 259.780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 104, 122) }
```

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

```
.background{ background-color: rgb(86, 104,  
122) }
```

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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