

Converting Colors

CIELCh(42, 19.064, 249.861)

Have a look what the booklet for
CIELCh(42, 19.064, 249.861)
contains.

CIELCh(42, 18.845, 249.195)	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(42, 18.845, 249.195)

Conversions

Conversions Part 1

Format	Color
Hex	416880
RGB	65, 104, 128
RGB Percent	25%, 41%, 50%
CMY	0.7464, 0.5934, 0.4993
CMYK	0.49, 0.19, 0.00, 0.50
HSL	203°, 33%, 38%
HSV	203°, 49%, 50%
XYZ	10.9519, 12.5000, 22.1448
YIQ	95.0750, -30.9480, -0.8040

Conversions

Conversions Part 2

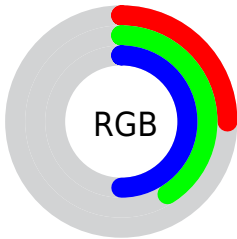
Format	Color
R_{YB}	65, 89, 128
Decimal	4286592
CIE _{Lab}	42.00, -6.69, -17.62
CIE _{LCh}	42, 18.845, 249.195
Yxy	12.5000, 0.2402, 0.2741
Android (android.graphics.Color)	4282476672 (0xFF416880)
YUV	95.0750, 16.2320, -26.3758
Hunter-Lab	35.3553, -6.5785, -12.3875

Details

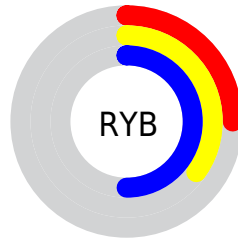
The CIELCh color **42, 18.845, 249.195** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **41, 24.106, 57.292**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 18.836, 249.818**, and **22, 18.938, 249.852** is the 20% darker color. If you saturate the color by 10%, you get **40, 22.058, 251.842**, and if you desaturate by 10%, it is **44, 15.393, 247.009**.

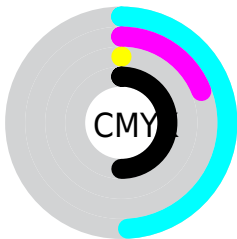
Distribution



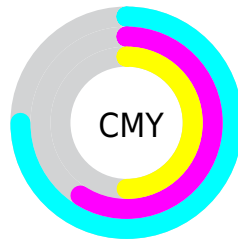
- Red (25%)
- Green (41%)
- Blue (50%)



- Red (25%)
- Yellow (35%)
- Blue (50%)



- Cyan (49%)
- Magenta (19%)
- Yellow (0%)
- Black (50%)





- Cyan (75%)
- Magenta (59%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 18.845, 249.195 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 42, 18.845, 249.195 by changing the saturation by 10% instead.


 42, 18.845,
249.195


 42, 18.845,
249.195


 100, 18.845,
249.195


 32, 18.845,
249.195

 62, 18.845,
249.195


 22, 18.845,
249.195

 72, 18.845,
249.195

 12, 18.845,
249.195

 82, 18.845,
249.195

 2, 18.845, 249.195

 92, 18.845,
249.195

 0, 18.845, 249.195

 42, 18.845,

 42, 18.845,

249.195

■ 40, 22.058,
251.842

■ 38, 25.033,
255.019

■ 36, 27.793,
258.765

■ 34, 30.398,
263.071

■ 32, 33.002,
267.577

■ 32, 33.180,
267.854

249.195

■ 44, 15.393,
247.009

■ 46, 11.726,
245.217

■ 49, 7.871, 243.753

■ 51, 3.861, 242.580

■ 54, 0.271, 60.278

■ 56, 4.497, 60.583

■ 59, 8.792, 59.923

■ 61, 13.134, 59.349

■ 64, 17.505, 58.860

Harmonies

Complementary

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



42, 18.845, 249.195



41, 24.106, 57.292

Rectangle

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



42, 18.845, 249.195



42, 18.845, 299.195



42, 18.845, 69.195



42, 18.845, 119.195

Sweetspot

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



42, 18.844, 249.194



64, 7.605, 243.249



48, 33.765, 152.544



33, 5.214, 243.467



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



42, 18.844, 249.194



51, 27.069, 252.144



33, 34.395, 291.537



26, 2.328, 242.555



32, 33.145, 267.847



0, 0.000, 0.000

Inverse Universe

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



37, 34.130, 341.906



44, 49.288, 343.179



50, 31.374, 98.880



25, 3.903, 338.350



27, 53.056, 350.286



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 42, 18.845, 249.195 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 42, 18.845, 249.195 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

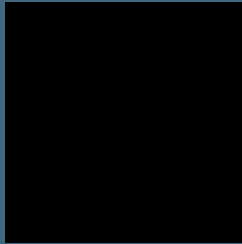
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

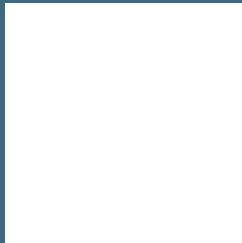
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 42, 18.845, 249.195

Background



This preview shows how black text looks on a background with the CIELCh color 42, 18.845, 249.195.



This preview shows how white text looks on a background with the CIELCh color 42, 18.845, 249.195.

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


42, 18.845, 249.195

Protanopia

42, 15.181, 285.383

Deuteranopia

42, 19.395, 287.683



Tritanopia
42, 16.470, 217.178

Trichromacy



Original Color
42, 18.845, 249.195

Protanomaly
42, 16.057, 270.200

Deuteranomaly
42, 18.858, 274.518

Tritanomaly
42, 16.746, 231.069

Monochromacy



Original Color
42, 18.845, 249.195

Achromatopsia
40, 0.006, 296.813

Achromatomaly
41, 7.580, 245.340

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 18.845, 249.195 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(65, 104, 128)` looks like.

```
.text, #text, p{  
    color:rgb(65, 104, 128)  
}
```

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(65, 104, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 104, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 18.845, 249.195 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(65, 104, 128) }
```

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

```
.border{ border-color:rgb(65, 104, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 104, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 104, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 104, 128);  
box-shadow:4px 4px 4px 4px rgb(65, 104,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 18.845, 249.195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 104, 128) }
```

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

```
.background{ background-color: rgb(65, 104,  
128) }
```

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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