

Converting Colors

CIELCh(42, 5.352, 287.531)

Have a look what the booklet for
CIELCh(42, 5.352, 287.531) contains.

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Color

CIELCh(42, 4.845, 286.148)

Conversions

Conversions Part 1

Format	Color
Hex	62636B
RGB	98, 99, 107
RGB Percent	38%, 39%, 42%
CMY	0.6169, 0.6130, 0.5816
CMYK	0.08, 0.07, 0.00, 0.58
HSL	233°, 4%, 40%
HSV	233°, 8%, 42%
XYZ	12.0740, 12.5000, 15.6004
YIQ	99.6130, -3.1640, 2.2760

Conversions

Conversions Part 2

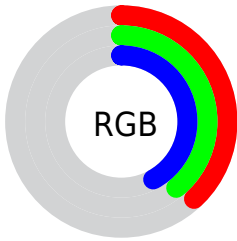
Format	Color
R_{YB}	98, 99, 107
Decimal	6447979
CIE Lab	42.00, 1.35, -4.65
CIE LCh	42, 4.845, 286.148
Yxy	12.5000, 0.3005, 0.3111
Android (android.graphics.Color)	4284638059 (0xFF62636B)
YUV	99.6130, 3.6418, -1.4146
Hunter-Lab	35.3553, -0.9132, -1.4127

Details

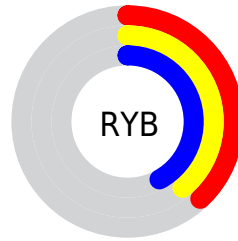
The CIELCh color $42, 4.845, 286.148$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $45, 4.772, 104.403$, and the grayscale version is $42, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 4.500, 285.884$, and $22, 4.707, 285.892$ is the 20% darker color. If you saturate the color by 10%, you get $38, 10.759, 287.323$, and if you desaturate by 10%, it is $46, 0.879, 105.018$.

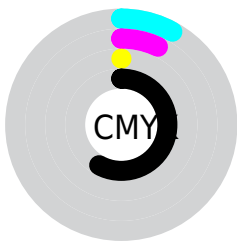
Distribution



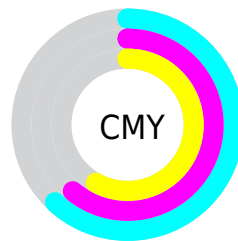
- Red (38%)
- Green (39%)
- Blue (42%)



- Red (38%)
- Yellow (39%)
- Blue (42%)



- Cyan (8%)
- Magenta (7%)
- Yellow (0%)
- Black (58%)



- Cyan (62%)
- Magenta (61%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 4.845, 286.148 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, 4.845, 286.148 by changing the saturation by 10% instead.

■ 42, 4.845, 286.148

■ 42, 4.845, 286.148

■ 100, 4.845,
286.148

■ 32, 4.845, 286.148

■ 62, 4.845, 286.148

■ 22, 4.845, 286.148

■ 72, 4.845, 286.148

■ 12, 4.845, 286.148

■ 82, 4.845, 286.148

■ 2, 4.845, 286.148

■ 92, 4.845, 286.148

■ 0, 4.845, 286.148

■ 42, 4.845, 286.148

■ 42, 4.845, 286.148

■ 38, 10.759,
287.323

■ 46, 0.879, 105.018

■ 35, 16.882,

■ 49, 6.424, 104.199

288.707

53, 11.802,
103.434

31, 23.228,
290.314

57, 17.022,
102.764

27, 29.814,
292.167

60, 22.093,
102.176

24, 36.639,
294.274

64, 27.023,
101.657

20, 43.666,
296.605

67, 31.820,
101.198

17, 50.755,
299.071

71, 36.489,
100.789

14, 57.574,
301.500

74, 41.039,
100.424

12, 63.598,
303.514

Harmonies

Complementary

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



42, 4.845, 286.148



45, 4.772, 104.403

Rectangle

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



42, 4.845, 286.148



42, 4.845, 336.148



42, 4.845, 106.148



42, 4.845, 156.148

Sweetspot

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



42, 4.844, 286.139



56, 2.111, 285.597



44, 3.696, 189.258



28, 1.589, 285.659



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



42, 4.844, 286.139



53, 7.103, 286.343



42, 5.639, 305.292



20, 3.241, 286.198



13, 69.469, 303.982



33, 124.010, 305.032

Inverse Universe

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



42, 3.840, 10.813



53, 5.646, 10.987



45, 5.557, 124.506



21, 2.571, 10.864



23, 54.097, 32.924



51, 96.396, 36.063

Previews

White Background



This preview shows how the CIELCh color 42, 4.845, 286.148 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 42, 4.845, 286.148 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

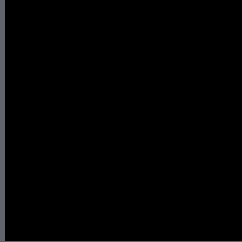
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

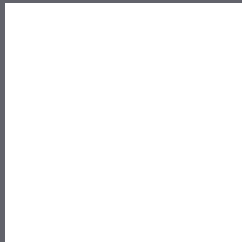
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 42, 4.845, 286.148

Background



This preview shows how black text looks on a background with the CIELCh color 42, 4.845, 286.148.



This preview shows how white text looks on a background with the CIELCh color 42, 4.845, 286.148.

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, 4.845, 286.148

Protanopia

42, 5.468, 295.204

Deuteranopia

42, 7.636, 319.768



Tritanopia
42, 4.845, 286.148

Trichromacy



Original Color

42, 4.845, 286.148

Protanomaly

42, 5.468, 295.204

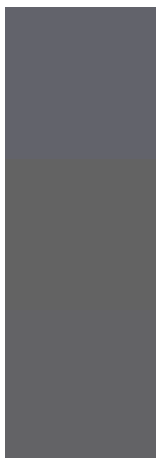
Deuteranomaly

42, 6.411, 309.449

Tritanomaly

42, 4.845, 286.148

Monochromacy



Original Color

42, 4.845, 286.148

Achromatopsia

42, 0.006, 296.813

Achromatomaly

42, 1.816, 290.468

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 4.845, 286.148 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(98, 99, 107)` looks like.

```
.text, #text, p{  
    color:rgb(98, 99, 107)  
}
```

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(98, 99, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 99, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 4.845, 286.148 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(98, 99, 107) }
```

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

```
.border{ border-color:rgb(98, 99, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 99, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 99, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 99, 107);  
box-shadow:4px 4px 4px 4px rgb(98, 99,  
107) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 4.845, 286.148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 99, 107) }
```

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

```
.background{ background-color: rgb(98, 99,  
107) }
```

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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