

Converting Colors

CIELCh(42, 63.118, 289.732)

Have a look what the booklet for
CIELCh(42, 63.118, 289.732)
contains.

CIELCh(42, 63.222, 289.850)	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(42, 63.222, 289.850)

Conversions

Conversions Part 1

Format	Color
Hex	2C5DC6
RGB	44, 93, 198
RGB Percent	17%, 36%, 78%
CMY	0.8258, 0.6344, 0.2225
CMYK	0.78, 0.53, 0.00, 0.22
HSL	221°, 63%, 48%
HSV	221°, 78%, 78%
XYZ	15.2119, 12.5000, 55.1914
YIQ	90.3190, -62.9090, 22.2670

Conversions

Conversions Part 2

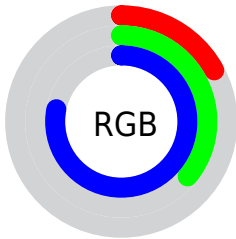
Format	Color
R_{YB}	44, 81, 198
Decimal	2907590
CIE _{Lab}	42.00, 21.47, -59.47
CIE _{LCh}	42, 63.222, 289.850
Yxy	12.5000, 0.1835, 0.1508
Android (android.graphics.Color)	4281097670 (0xFF2C5DC6)
YUV	90.3190, 53.0867, -40.6218
Hunter-Lab	35.3553, 14.9289, -67.8059

Details

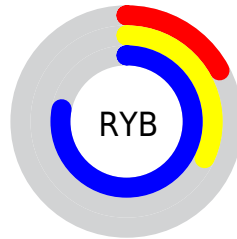
The CIELCh color **42, 63.222, 289.850** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark muted blue. A complement of this color would be **65, 59.404, 81.646**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 62.764, 289.729**, and **24, 61.991, 295.698** is the 20% darker color. If you saturate the color by 10%, you get **38, 72.248, 293.387**, and if you desaturate by 10%, it is **47, 54.390, 286.505**.

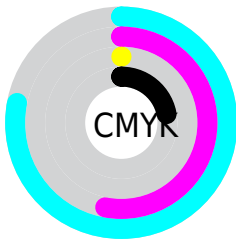
Distribution



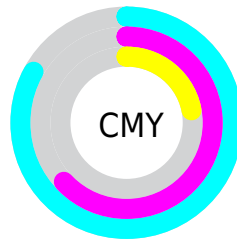
- Red (17%)
- Green (36%)
- Blue (78%)



- Red (17%)
- Yellow (32%)
- Blue (78%)



- Cyan (78%)
- Magenta (53%)
- Yellow (0%)
- Black (22%)





- Cyan (83%)
- Magenta (63%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 63.222, 289.850 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, 63.222, 289.850 by changing the saturation by 10% instead.


 42, 63.222,
289.850


 42, 63.222,
289.850


 100, 63.222,
289.850


 32, 63.222,
289.850

 62, 63.222,
289.850


 22, 63.222,
289.850

 72, 63.222,
289.850

 12, 63.222,
289.850

 82, 63.222,
289.850

 2, 63.222, 289.850

 92, 63.222,
289.850

 0, 63.222, 289.850

 42, 63.222,

 42, 63.222,

289.850

289.850

■ 38, 72.248,
293.387

■ 47, 54.390,
286.505

■ 34, 81.271,
296.882

■ 51, 45.805,
283.473

■ 33, 83.410,
297.647

■ 56, 37.451,
280.803

■ 61, 29.294,
278.494

■ 66, 21.305,
276.515

■ 71, 13.467,
274.825

■ 76, 5.767, 273.395

■ 81, 1.796, 91.979

Harmonies

Complementary

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



42, 63.222, 289.850



65, 59.404, 81.646

Rectangle

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



42, 63.222, 289.850



42, 63.222, 339.850



42, 63.222, 109.850



42, 63.222, 159.850

Sweetspot

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



42, 63.222, 289.851



86, 21.699, 275.763



72, 52.999, 163.829



44, 15.068, 276.408



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



42, 63.222, 289.851



46, 94.751, 295.792



32, 92.453, 305.512



39, 4.322, 273.631



27, 71.137, 297.139



3, 16.891, 281.661

Inverse Universe

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



45, 62.757, 9.148



55, 84.753, 16.875



76, 73.464, 112.154



39, 4.657, 355.602



34, 62.137, 18.958



4, 16.593, 3.362

Previews

White Background



This preview shows how the CIE LCh color 42, 63.222, 289.850 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, 63.222, 289.850 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

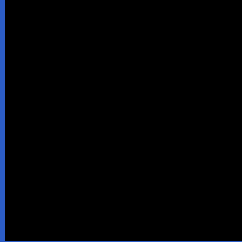
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 63.222, 289.850

Background



This preview shows how black text looks on a background with the CIELCh color 42, 63.222, 289.850.



This preview shows how white text looks on a background with the CIELCh color 42, 63.222, 289.850.

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, 63.222, 289.850

Protanopia

42, 63.421, 287.392

Deuteranopia

42, 46.382, 275.175



Tritanopia
42, 26.143, 206.032

Trichromacy



Original Color
42, 63.222, 289.850

Protanomaly
42, 63.392, 288.170

Deuteranomaly
42, 52.193, 281.094

Tritanomaly
41, 31.338, 255.133

Monochromacy



Original Color
42, 63.222, 289.850

Achromatopsia
39, 0.005, 296.813

Achromatomaly
39, 23.745, 279.075

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 63.222, 289.850 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(44, 93, 198)` looks like.

```
.text, #text, p{  
    color:rgb(44, 93, 198)  
}
```

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(44, 93, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 93, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 63.222, 289.850 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(44, 93, 198) }
```

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

```
.border{ border-color:rgb(44, 93, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 93, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 93, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 93, 198);  
box-shadow:4px 4px 4px 4px rgb(44, 93,  
198) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 63.222, 289.850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 93, 198) }
```

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

```
.background{ background-color: rgb(44, 93,  
198) }
```

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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