

Converting Colors

CIELCh(57, 36.761, 250.050)

Have a look what the booklet for
CIELCh(57, 36.761, 250.050)
contains.

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Color

CIELCh(57, 36.641, 249.741)

Conversions

Conversions Part 1

Format	Color
Hex	2292C4
RGB	34, 146, 196
RGB Percent	13%, 57%, 77%
CMY	0.8658, 0.4271, 0.2309
CMYK	0.83, 0.25, 0.00, 0.23
HSL	199°, 70%, 45%
HSV	199°, 83%, 77%
XYZ	20.9368, 24.9227, 55.9955
YIQ	118.2120, -82.8020, -8.1940

Conversions

Conversions Part 2

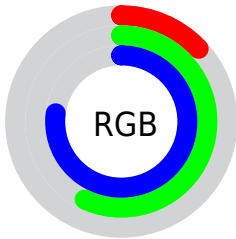
Format	Color
R _Y B	34, 100, 196
Decimal	2265796
CIE Lab	57.00, -12.69, -34.37
CIE LCh	57, 36.641, 249.741
Yxy	24.9227, 0.2056, 0.2447
Android (android.graphics.Color)	4280455876 (0xFF2292C4)
YUV	118.2120, 38.3495, -73.8539
Hunter-Lab	49.9226, -12.5044, -31.5566

Details

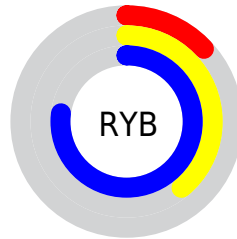
The CIELCh color **57, 36.641, 249.741** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark muted azure. A complement of this color would be **50, 64.506, 49.220**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **77, 36.698, 249.667**, and **38, 32.577, 259.257** is the 20% darker color. If you saturate the color by 10%, you get **55, 39.093, 254.329**, and if you desaturate by 10%, it is **59, 33.839, 245.819**.

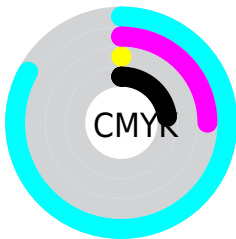
Distribution



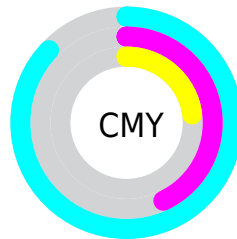
- Red (13%)
- Green (57%)
- Blue (77%)



- Red (13%)
- Yellow (39%)
- Blue (77%)



- Cyan (83%)
- Magenta (25%)
- Yellow (0%)
- Black (23%)





- Cyan (87%)
- Magenta (43%)
- Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 57, 36.641, 249.741 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 57, 36.641, 249.741 by changing the saturation by 10% instead.


 57, 36.641,
249.741


 57, 36.641,
249.741


 100, 36.641,
249.741


 47, 36.641,
249.741


 77, 36.641,
249.741

 37, 36.641,
249.741

 87, 36.641,
249.741

 27, 36.641,
249.741

 97, 36.641,
249.741

 17, 36.641,
249.741

 7, 36.641, 249.741

 0, 36.641, 249.741

■ 57, 36.641,
249.741

■ 57, 36.641,
249.741

■ 55, 39.093,
254.329

■ 59, 33.839,
245.819

■ 53, 40.852,
257.987

■ 62, 30.578,
242.565

■ 64, 26.808,
239.921

■ 67, 22.538,
237.800

■ 70, 17.809,
236.114

■ 72, 12.682,
234.783

■ 75, 7.224, 233.751

■ 78, 1.500, 233.171

Harmonies

Complementary

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



57, 36.641, 249.741



50, 64.506, 49.220

Rectangle

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



57, 36.641, 249.741



57, 36.641, 299.741



57, 36.641, 69.741



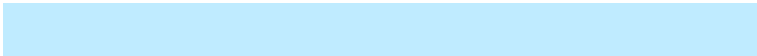
57, 36.641, 119.741

Sweetspot

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



57, 36.640, 249.742



91, 17.273, 235.129



70, 77.493, 144.375



47, 11.670, 235.599



0, 0.000, 0.000



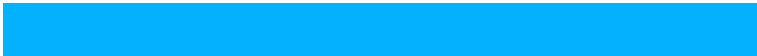
53, 0.007, 296.813

Same Dimension

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



57, 36.640, 249.742



69, 49.889, 258.360



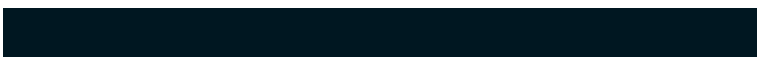
35, 79.453, 297.765



39, 3.253, 233.484



44, 34.978, 257.164



7, 10.632, 246.621

Inverse Universe

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



46, 72.719, 342.483



57, 91.448, 345.795



68, 65.102, 90.326



38, 5.819, 335.254



35, 65.109, 345.304



3, 18.120, 340.757

Previews

White Background



This preview shows how the CIE LCh color 57, 36.641, 249.741 looks on a white 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

Black Background



This preview shows how the CIELCh color 57, 36.641, 249.741 looks on a black 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

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

CIELCh 57, 36.641, 249.741

Background



This preview shows how black text looks on a background with the CIELCh color 57, 36.641, 249.741.

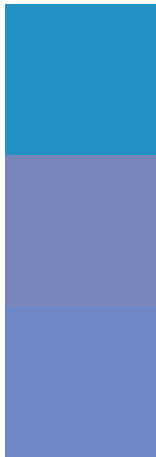


This preview shows how white text looks on a background with the CIELCh color 57, 36.641, 249.741.

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
57, 36.641, 249.741

Protanopia
57, 30.439, 285.159

Deuteranopia
57, 36.930, 282.631



Tritanopia
57, 32.711, 208.903

Trichromacy



Original Color
57, 36.641, 249.741

Protanomaly
56, 32.209, 267.352

Deuteranomaly
56, 36.257, 268.391

Tritanomaly
57, 32.463, 224.633

Monochromacy



Original Color
57, 36.641, 249.741

Achromatopsia
50, 0.007, 296.813

Achromatomaly
51, 16.759, 237.336

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 36.641, 249.741 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(34, 146, 196)` looks like.

```
.text, #text, p{  
    color:rgb(34, 146, 196)  
}
```

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(34, 146, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 146, 196) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 36.641, 249.741 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(34, 146, 196) }
```

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

```
.border{ border-color:rgb(34, 146, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 146, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 146, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 146, 196);  
box-shadow:4px 4px 4px 4px rgb(34, 146,  
196) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 36.641, 249.741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 146, 196) }
```

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

```
.background{ background-color: rgb(34, 146,  
196) }
```

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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