

Converting Colors

CIELCh(57, 25.824, 241.658)

Have a look what the booklet for
CIELCh(57, 25.824, 241.658)
contains.

CIELCh(57, 25.822, 241.722)	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(57, 25.822, 241.722)

Conversions

Conversions Part 1

Format	Color
Hex	4E91B0
RGB	78, 145, 176
RGB Percent	31%, 57%, 69%
CMY	0.6950, 0.4322, 0.3107
CMYK	0.56, 0.18, 0.00, 0.31
HSL	199°, 39%, 50%
HSV	199°, 56%, 69%
XYZ	21.0314, 24.9227, 44.6630
YIQ	128.5010, -49.8830, -4.5630

Conversions

Conversions Part 2

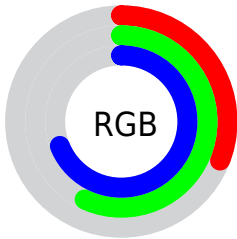
Format	Color
R_{YB}	78, 118, 176
Decimal	5149104
CIE _{Lab}	57.00, -12.23, -22.74
CIE _{LCh}	57, 25.822, 241.722
Yxy	24.9227, 0.2321, 0.2750
Android (android.graphics.Color)	4283339184 (0xFF4E91B0)
YUV	128.5010, 23.4170, -44.2894
Hunter-Lab	49.9226, -12.1660, -18.0977

Details

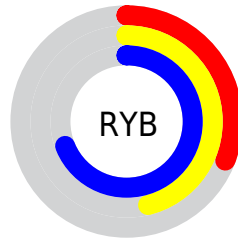
The CIELCh color $57, 25.822, 241.722$ is a dark color, and the websafe version is hex $3399CC$. A complement of this color would be $53, 36.836, 50.475$, and the grayscale version is $54, 0.007, 296.813$.

A 20% lighter version of the original color is $77, 25.911, 241.845$, and $37, 25.632, 240.506$ is the 20% darker color. If you saturate the color by 10%, you get $55, 29.193, 244.554$, and if you desaturate by 10%, it is $59, 22.002, 239.432$.

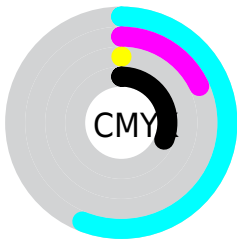
Distribution



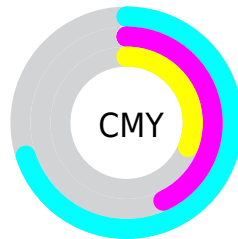
- Red (31%)
- Green (57%)
- Blue (69%)



- Red (31%)
- Yellow (46%)
- Blue (69%)



- Cyan (56%)
- Magenta (18%)
- Yellow (0%)
- Black (31%)





- Cyan (70%)
- Magenta (43%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 57, 25.822, 241.722 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, 25.822, 241.722 by changing the saturation by 10% instead.


 57, 25.822,
241.722


 57, 25.822,
241.722


 100, 25.822,
241.722


 47, 25.822,
241.722


 77, 25.822,
241.722

 37, 25.822,
241.722

 87, 25.822,
241.722

 27, 25.822,
241.722

 97, 25.822,
241.722

 17, 25.822,
241.722

 7, 25.822, 241.722

 0, 25.822, 241.722

■ 57, 25.822,
241.722

■ 57, 25.822,
241.722

■ 55, 29.193,
244.554

■ 59, 22.002,
239.432

■ 53, 32.126,
248.007

■ 62, 17.765,
237.600

■ 50, 34.680,
252.122

■ 65, 13.159,
236.143

■ 49, 36.978,
256.854

■ 67, 8.242, 234.996

■ 48, 37.969,
258.876

■ 70, 3.072, 234.159

■ 73, 2.297, 53.075

■ 76, 7.818, 52.623

■ 79, 13.450, 52.173

■ 82, 19.161, 51.803

Harmonies

Complementary

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



57, 25.822, 241.722



53, 36.836, 50.475

Rectangle

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



57, 25.822, 241.722



57, 25.822, 291.722



57, 25.822, 61.722



57, 25.822, 111.722

Sweetspot

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



57, 25.821, 241.721



85, 11.010, 235.155



65, 51.620, 148.867



44, 7.324, 235.364



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



57, 25.821, 241.721



70, 36.550, 245.332



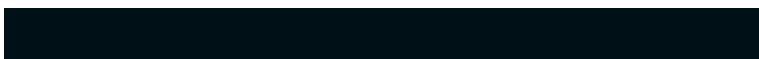
43, 47.044, 290.019



35, 2.968, 234.409



41, 33.639, 258.177



4, 6.496, 244.879

Inverse Universe

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



48, 51.283, 339.467



57, 73.136, 340.855



65, 43.211, 93.808



34, 5.279, 335.549



33, 61.835, 345.719



2, 10.363, 339.008

Previews

White Background



This preview shows how the CIELCh color 57, 25.822, 241.722 looks on a white background.

Color Contrast Check

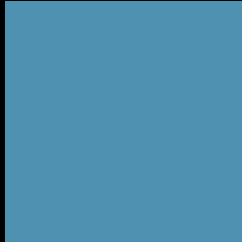
Large Text (above 18pt) WCAG AA ✓ Pass

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, 25.822, 241.722 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

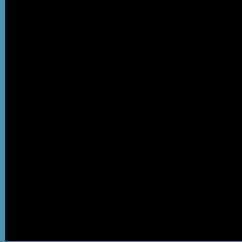
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 57, 25.822, 241.722

Background



This preview shows how black text looks on a background with the CIELCh color 57, 25.822, 241.722.

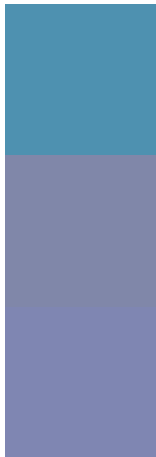


This preview shows how white text looks on a background with the CIELCh color 57, 25.822, 241.722.

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, 25.822, 241.722

Protanopia
57, 19.505, 285.249

Deuteranopia
57, 25.175, 287.698



Tritanopia
57, 24.292, 213.927

Trichromacy



Original Color
57, 25.822, 241.722

Protanomaly
57, 20.283, 263.880

Deuteranomaly
57, 23.781, 269.430

Tritanomaly
57, 24.348, 224.310

Monochromacy



Original Color
57, 25.822, 241.722

Achromatopsia
54, 0.007, 296.813

Achromatomaly
54, 10.591, 235.633

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 25.822, 241.722 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(78, 145, 176)` looks like.

```
.text, #text, p{  
    color:rgb(78, 145, 176)  
}
```

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(78, 145, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 145, 176) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 25.822, 241.722 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(78, 145, 176) }
```

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

```
.border{ border-color:rgb(78, 145, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 145, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 145, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 145, 176);  
box-shadow:4px 4px 4px 4px rgb(78, 145,  
176) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 25.822, 241.722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 145, 176) }
```

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

```
.background{ background-color: rgb(78, 145,  
176) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor