

Converting Colors

CIELCh(60, 37.272, 250.238)

Have a look what the booklet for
CIELCh(60, 37.272, 250.238)
contains.

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Color

CIELCh(60, 37.402, 250.411)

Conversions

Conversions Part 1

Format	Color
Hex	2D9ACE
RGB	45, 154, 206
RGB Percent	18%, 60%, 81%
CMY	0.8235, 0.3961, 0.1922
CMYK	0.78, 0.25, 0.00, 0.19
HSL	199°, 64%, 49%
HSV	199°, 78%, 81%
XYZ	23.7767, 28.1233, 62.5641
YIQ	127.3370, -81.6560, -6.9360

Conversions

Conversions Part 2

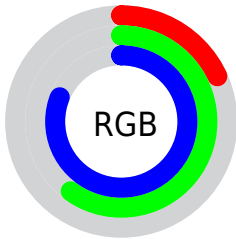
Format	Color
R_{YB}	45, 110, 206
Decimal	2988750
CIE _{Lab}	60.00, -12.54, -35.24
CIE _{LCh}	60, 37.402, 250.411
Yxy	28.1233, 0.2077, 0.2457
Android (android.graphics.Color)	4281178830 (0xFF2D9ACE)
YUV	127.3370, 38.7809, -72.2095
Hunter-Lab	53.0314, -12.7743, -32.8257

Details

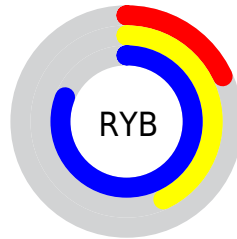
The CIELCh color **60, 37.402, 250.411** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark muted azure. A complement of this color would be **54, 62.731, 50.399**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **80, 34.747, 244.796**, and **41, 33.827, 258.492** is the 20% darker color. If you saturate the color by 10%, you get **58, 40.290, 254.829**, and if you desaturate by 10%, it is **62, 34.132, 246.664**.

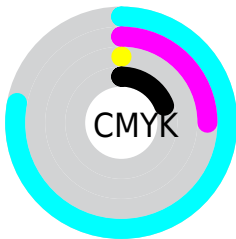
Distribution



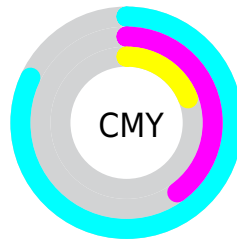
- Red (18%)
- Green (60%)
- Blue (81%)



- Red (18%)
- Yellow (43%)
- Blue (81%)



- Cyan (78%)
- Magenta (25%)
- Yellow (0%)
- Black (19%)





- Cyan (82%)
- Magenta (40%)
- Yellow (19%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 60, 37.402, 250.411 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 60, 37.402, 250.411 by changing the saturation by 10% instead.


 60, 37.402,
250.411


 60, 37.402,
250.411


 100, 37.402,
250.411


 50, 37.402,
250.411


 80, 37.402,
250.411

 40, 37.402,
250.411

 90, 37.402,
250.411


 30, 37.402,
250.411

 20, 37.402,
250.411

 10, 37.402,
250.411

 0, 37.402, 250.411

 60, 37.402,

 60, 37.402,

250.411

■ 58, 40.290,
254.829

■ 56, 42.981,
259.791

■ 55, 43.495,
260.697

250.411

■ 62, 34.132,
246.664

■ 65, 30.390,
243.568

■ 68, 26.148,
241.056

■ 71, 21.425,
239.040

■ 74, 16.271,
237.433

■ 77, 10.750,
236.163

■ 80, 4.928, 235.193

■ 83, 1.132, 53.827

Harmonies

Complementary

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



60, 37.402, 250.411



54, 62.731, 50.399

Rectangle

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



60, 37.402, 250.411



60, 37.402, 300.411



60, 37.402, 70.411



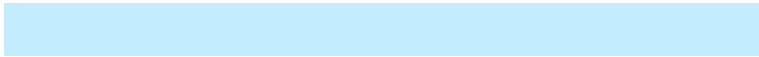
60, 37.402, 120.411

Sweetspot

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



60, 37.401, 250.412



91, 16.005, 236.777



73, 76.480, 145.737



47, 10.976, 237.263



0, 0.000, 0.000



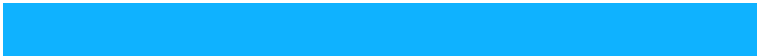
53, 0.007, 296.813

Same Dimension

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



60, 37.401, 250.412



69, 49.537, 258.290



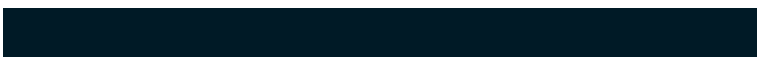
38, 79.626, 297.274



41, 3.395, 235.294



45, 36.687, 259.826



8, 12.299, 248.228

Inverse Universe

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



49, 73.182, 342.699



57, 90.642, 345.767



73, 66.019, 92.095



40, 6.010, 335.850



36, 66.023, 346.417



4, 22.329, 342.164

Previews

White Background



This preview shows how the CIE LCh color 60, 37.402, 250.411 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 CIE LCh color 60, 37.402, 250.411 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 60, 37.402, 250.411

Background



This preview shows how black text looks on a background with the CIELCh color 60, 37.402, 250.411.



This preview shows how white text looks on a background with the CIELCh color 60, 37.402, 250.411.

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](#).

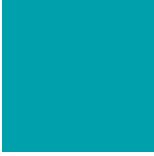
Dichromacy



Original Color
60, 37.402, 250.411

Protanopia
60, 30.691, 285.140

Deuteranopia
60, 37.715, 282.386



Tritanopia
60, 34.159, 208.238

Trichromacy



Original Color
60, 37.402, 250.411

Protanomaly
59, 32.879, 268.326

Deuteranomaly
60, 36.930, 269.081

Tritanomaly
60, 33.633, 223.270

Monochromacy



Original Color
60, 37.402, 250.411

Achromatopsia
53, 0.007, 296.813

Achromatomaly
55, 16.988, 238.710

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 37.402, 250.411 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(45, 154, 206)` looks like.

```
.text, #text, p{  
    color:rgb(45, 154, 206)  
}
```

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(45, 154, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 154, 206) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 37.402, 250.411 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(45, 154, 206) }
```

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

```
.border{ border-color:rgb(45, 154, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 154, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 154, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 154, 206);  
box-shadow:4px 4px 4px 4px rgb(45, 154,  
206) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 37.402, 250.411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 154, 206) }
```

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

```
.background{ background-color: rgb(45, 154,  
206) }
```

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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