

Converting Colors

CIELCh(63, 37.214, 253.252)

Have a look what the booklet for
CIELCh(63, 37.214, 253.252)
contains.

CIELCh(63, 37.148, 253.300)	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(63, 37.148, 253.300)

Conversions

Conversions Part 1

Format	Color
Hex	42A1D7
RGB	66, 161, 215
RGB Percent	26%, 63%, 84%
CMY	0.7408, 0.3683, 0.1566
CMYK	0.69, 0.25, 0.00, 0.16
HSL	202°, 65%, 55%
HSV	202°, 69%, 84%
XYZ	27.2865, 31.5869, 69.0000
YIQ	138.7510, -73.9540, -3.3460

Conversions

Conversions Part 2

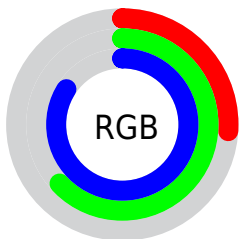
Format	Color
R _{YB}	66, 124, 215
Decimal	4366807
CIE Lab	63.00, -10.67, -35.58
CIE LCh	63, 37.148, 253.300
Yxy	31.5869, 0.2134, 0.2470
Android (android.graphics.Color)	4282556887 (0xFF42A1D7)
YUV	138.7510, 37.5908, -63.8026
Hunter-Lab	56.2022, -11.6912, -33.4493

Details

The CIELCh color **63, 37.148, 253.300** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **60, 55.610, 54.050**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **82, 31.328, 239.752**, and **44, 35.072, 257.800** is the 20% darker color. If you saturate the color by 10%, you get **60, 41.015, 257.335**, and if you desaturate by 10%, it is **66, 32.907, 249.905**.

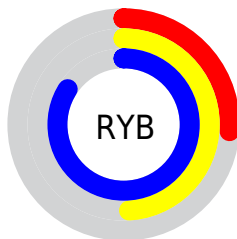
Distribution



Red (26%)

Green (63%)

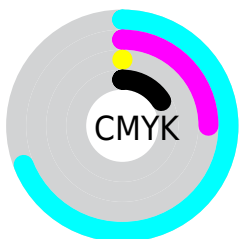
Blue (84%)



Red (26%)

Yellow (49%)

Blue (84%)

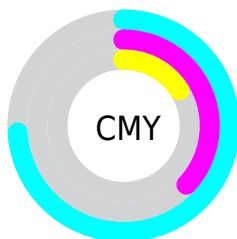


Cyan (69%)

Magenta (25%)

Yellow (0%)

Black (16%)



Cyan (74%)


Magenta (37%)


Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 37.148, 253.300 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 63, 37.148, 253.300 by changing the saturation by 10% instead.

 63, 37.148,
253.300


 63, 37.148,
253.300


 100, 37.148,
253.300


 53, 37.148,
253.300


 83, 37.148,
253.300

 43, 37.148,
253.300

 93, 37.148,
253.300

 33, 37.148,
253.300

 23, 37.148,
253.300

 13, 37.148,
253.300

 3, 37.148, 253.300

 0, 37.148, 253.300

■ 63, 37.148,
253.300

■ 63, 37.148,
253.300

■ 60, 41.015,
257.335

■ 66, 32.907,
249.905

■ 58, 44.627,
261.985

■ 69, 28.246,
247.104

■ 55, 48.181,
267.039

■ 72, 23.163,
244.822

■ 55, 48.453,
267.400

■ 76, 17.696,
242.975

■ 79, 11.897,
241.489

■ 83, 5.824, 240.316

■ 86, 0.464, 58.175

■ 90, 6.917, 58.362

Harmonies

Complementary

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



63, 37.148, 253.300



60, 55.610, 54.050

Rectangle

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



63, 37.148, 253.300



63, 37.148, 303.300



63, 37.148, 73.300



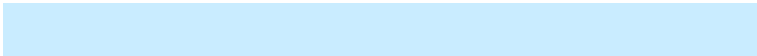
63, 37.148, 123.300

Sweetspot

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



63, 37.147, 253.300



91, 14.834, 241.752



77, 70.192, 148.555



48, 9.983, 242.151



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



63, 37.147, 253.300



69, 48.530, 259.375



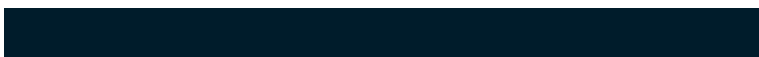
43, 75.326, 296.258



43, 3.556, 240.332



44, 40.366, 266.511



9, 14.108, 255.118

Inverse Universe

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



53, 69.074, 343.720



58, 86.498, 346.232



78, 63.922, 95.404



42, 6.083, 337.576



37, 65.997, 349.579



5, 25.374, 344.877

Previews

White Background



This preview shows how the CIELCh color 63, 37.148, 253.300 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 63, 37.148, 253.300 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 ✓ Pass

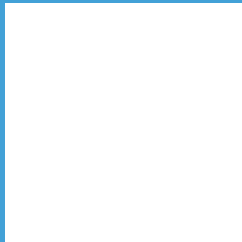
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 63, 37.148, 253.300

Background



This preview shows how black text looks on a background with the CIELCh color 63, 37.148, 253.300.

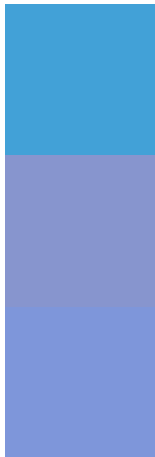


This preview shows how white text looks on a background with the CIELCh color 63, 37.148, 253.300.

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
63, 37.148, 253.300

Protanopia
63, 32.083, 285.610

Deuteranopia
63, 38.410, 283.419



Tritanopia
63, 32.528, 211.004

Trichromacy



Original Color
63, 37.148, 253.300

Protanomaly
62, 33.228, 270.995

Deuteranomaly
63, 37.235, 271.546

Tritanomaly
63, 32.245, 226.732

Monochromacy



Original Color
63, 37.148, 253.300

Achromatopsia
58, 0.007, 296.813

Achromatomaly
59, 16.102, 243.658

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 37.148, 253.300 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(66, 161, 215)` looks like.

```
.text, #text, p{  
    color:rgb(66, 161, 215)  
}
```

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(66, 161, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 161, 215) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 37.148, 253.300 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(66, 161, 215) }
```

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

```
.border{ border-color:rgb(66, 161, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 161, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 161, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 161, 215);  
box-shadow:4px 4px 4px 4px rgb(66, 161,  
215) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 37.148, 253.300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 161, 215) }
```

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

```
.background{ background-color: rgb(66, 161,  
215) }
```

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