

Converting Colors

CIELCh(63, 36.742, 243.134)

Have a look what the booklet for
CIELCh(63, 36.742, 243.134)
contains.

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Color

CIELCh(63, 36.710, 242.749)

Conversions

Conversions Part 1

Format	Color
Hex	2AA4D2
RGB	42, 164, 210
RGB Percent	16%, 64%, 82%
CMY	0.8334, 0.3580, 0.1777
CMYK	0.80, 0.22, 0.00, 0.18
HSL	196°, 66%, 49%
HSV	196°, 80%, 82%
XYZ	25.7922, 31.5869, 65.5111
YIQ	132.7660, -87.4780, -11.5580

Conversions

Conversions Part 2

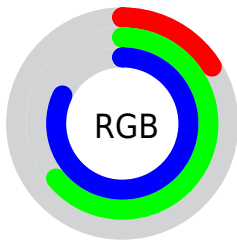
Format	Color
R _Y B	42, 113, 210
Decimal	2794706
CIE Lab	63.00, -16.81, -32.64
CIE LCh	63, 36.710, 242.749
Yxy	31.5869, 0.2099, 0.2570
Android (android.graphics.Color)	4280984786 (0xFF2AA4D2)
YUV	132.7660, 38.0764, -79.6018
Hunter-Lab	56.2022, -16.4370, -29.7687

Details

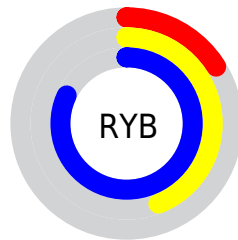
The CIELCh color **63, 36.710, 242.749** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **53, 66.618, 46.961**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 33.655, 232.631**, and **44, 32.482, 251.054** is the 20% darker color. If you saturate the color by 10%, you get **61, 38.898, 246.922**, and if you desaturate by 10%, it is **65, 34.013, 239.273**.

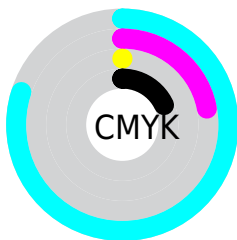
Distribution



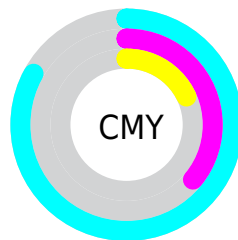
- Red (16%)
- Green (64%)
- Blue (82%)



- Red (16%)
- Yellow (44%)
- Blue (82%)



- Cyan (80%)
- Magenta (22%)
- Yellow (0%)
- Black (18%)





- Cyan (83%)
- Magenta (36%)
- Yellow (18%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 36.710, 242.749 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, 36.710, 242.749 by changing the saturation by 10% instead.


 63, 36.710,
242.749


 63, 36.710,
242.749


 100, 36.710,
242.749


 53, 36.710,
242.749


 83, 36.710,
242.749

 43, 36.710,
242.749

 93, 36.710,
242.749

 33, 36.710,
242.749

 23, 36.710,
242.749

 13, 36.710,
242.749

 3, 36.710, 242.749

 0, 36.710, 242.749

■ 63, 36.710,
242.749

■ 63, 36.710,
242.749

■ 61, 38.898,
246.922

■ 65, 34.013,
239.273

■ 59, 40.800,
251.648

■ 67, 30.719,
236.450

■ 59, 40.850,
251.768

■ 70, 26.807,
234.198

■ 73, 22.307,
232.424

■ 75, 17.283,
231.041

■ 78, 11.812,
229.975

■ 81, 5.974, 229.184

■ 84, 0.157, 45.047

Harmonies

Complementary

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



63, 36.710, 242.749



53, 66.618, 46.961

Rectangle

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



63, 36.710, 242.749



63, 36.710, 292.749



63, 36.710, 62.749



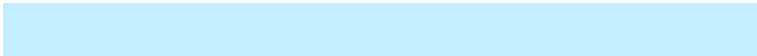
63, 36.710, 112.749

Sweetspot

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



63, 36.709, 242.749



92, 16.619, 230.422



74, 81.802, 143.701



48, 11.295, 230.819



0, 0.000, 0.000



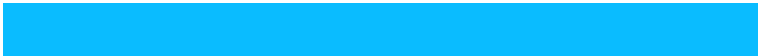
53, 0.007, 296.813

Same Dimension

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



63, 36.709, 242.749



72, 46.682, 250.403



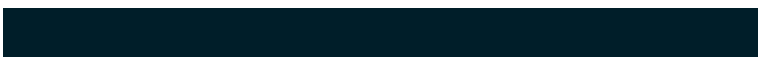
40, 77.227, 295.436



43, 3.474, 229.163



48, 34.483, 250.936



10, 12.464, 239.942

Inverse Universe

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



50, 77.157, 340.158



57, 93.492, 342.756



71, 65.927, 88.107



41, 6.347, 333.888



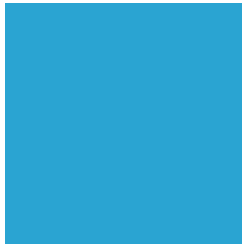
37, 68.824, 342.948



5, 25.166, 339.515

Previews

White Background



This preview shows how the CIELCh color 63, 36.710, 242.749 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 CIELCh color 63, 36.710, 242.749 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, 36.710, 242.749

Background



This preview shows how black text looks on a background with the CIELCh color 63, 36.710, 242.749.

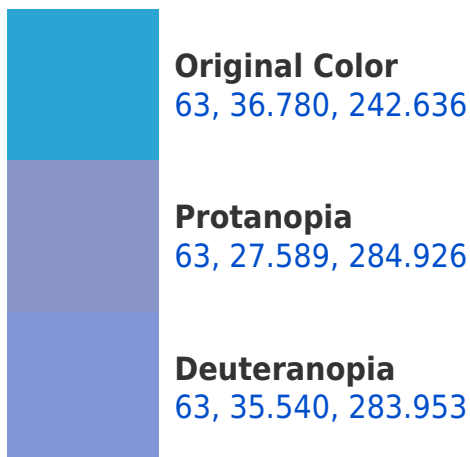


This preview shows how white text looks on a background with the CIELCh color 63, 36.710, 242.749.

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





Tritanopia
63, 35.353, 209.647

Trichromacy



Original Color
63, 36.780, 242.636



Protanomaly
62, 30.251, 262.389



Deuteranomaly
62, 34.904, 266.019



Tritanomaly
63, 34.864, 222.003

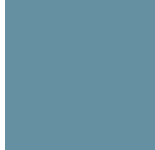
Monochromacy



Original Color
63, 36.780, 242.636



Achromatopsia
56, 0.007, 296.813



Achromatomaly
57, 17.315, 232.563

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 36.710, 242.749 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(42, 164, 210)` looks like.

```
.text, #text, p{  
    color:rgb(42, 164, 210)  
}
```

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(42, 164, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 164, 210) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 36.710, 242.749 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(42, 164, 210) }
```

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

```
.border{ border-color:rgb(42, 164, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 164, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 164, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 164, 210);  
box-shadow:4px 4px 4px 4px rgb(42, 164,  
210) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 36.710, 242.749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 164, 210) }
```

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

```
.background{ background-color: rgb(42, 164,  
210) }
```

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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