

Converting Colors

CIELCh(66, 37.955, 246.146)

Have a look what the booklet for
CIELCh(66, 37.955, 246.146)
contains.

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Color

CIELCh(66, 38.070, 246.432)

Conversions

Conversions Part 1

Format	Color
Hex	37ABDE
RGB	55, 171, 222
RGB Percent	22%, 67%, 87%
CMY	0.7828, 0.3285, 0.1284
CMYK	0.75, 0.23, 0.00, 0.13
HSL	198°, 72%, 54%
HSV	198°, 75%, 87%
XYZ	29.4206, 35.3238, 74.5475
YIQ	142.1300, -85.5070, -8.7310

Conversions

Conversions Part 2

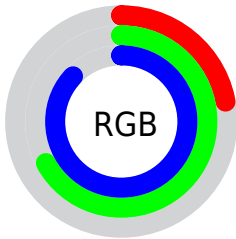
Format	Color
RYB	55, 123, 222
Decimal	3648478
CIELab	66.00, -15.22, -34.89
CIElCh	66, 38.070, 246.432
Yxy	35.3238, 0.2112, 0.2536
Android (android.graphics.Color)	4281838558 (0xFF37ABDE)
YUV	142.1300, 39.3759, -76.4130
Hunter-Lab	59.4338, -15.6492, -32.7634

Details

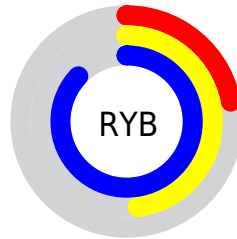
The CIELCh color **66, 38.070, 246.432** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle muted azure. A complement of this color would be **58, 64.216, 49.174**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 32.085, 226.415**, and **47, 34.877, 253.320** is the 20% darker color. If you saturate the color by 10%, you get **64, 40.985, 250.580**, and if you desaturate by 10%, it is **69, 34.660, 242.973**.

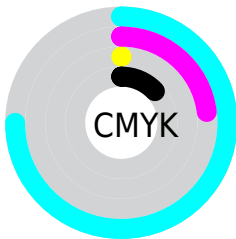
Distribution



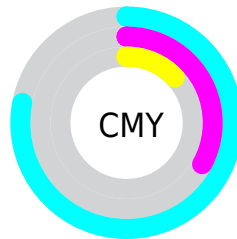
- Red (22%)
- Green (67%)
- Blue (87%)



- Red (22%)
- Yellow (48%)
- Blue (87%)



- Cyan (75%)
- Magenta (23%)
- Yellow (0%)
- Black (13%)



- Cyan (78%)
- Magenta (33%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 38.070, 246.432 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 66, 38.070, 246.432 by changing the saturation by 10% instead.

■ 66, 38.070,
246.432

■ 66, 38.070,
246.432

■ 100, 38.070,
246.432

■ 56, 38.070,
246.432

■ 86, 38.070,
246.432

■ 46, 38.070,
246.432

■ 96, 38.070,
246.432

■ 36, 38.070,
246.432

■ 26, 38.070,
246.432

■ 16, 38.070,
246.432

■ 6, 38.070, 246.432

■ 0, 38.070, 246.432

66, 38.070,
246.432

66, 38.070,
246.432

64, 40.985,
250.580

69, 34.660,
242.973

61, 43.560,
255.384

71, 30.685,
240.155

60, 44.811,
257.847

74, 26.136,
237.894

77, 21.052,
236.098

80, 15.500,
234.683

84, 9.553, 233.580

87, 3.288, 232.802

90, 3.227, 51.770

Harmonies

Complementary

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



66, 38.070, 246.432



58, 64.216, 49.174

Rectangle

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



66, 38.070, 246.432



66, 38.070, 296.432



66, 38.070, 66.432



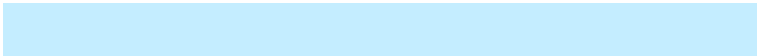
66, 38.070, 116.432

Sweetspot

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



66, 38.069, 246.432



92, 15.971, 234.450



79, 79.908, 145.629



48, 10.946, 234.904



0, 0.000, 0.000



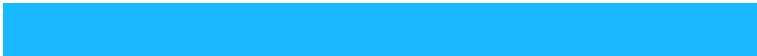
53, 0.007, 296.813

Same Dimension

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



66, 38.069, 246.432



71, 47.105, 253.202



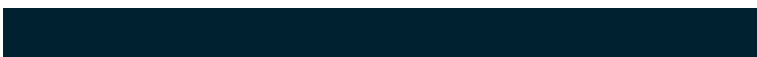
43, 79.299, 295.704



45, 3.670, 233.088



48, 37.346, 256.974



12, 14.310, 247.291

Inverse Universe

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



53, 76.926, 341.307



58, 91.223, 343.759



77, 67.470, 91.234



44, 6.581, 335.134



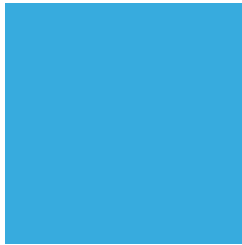
39, 69.678, 345.227



7, 29.275, 341.738

Previews

White Background



This preview shows how the CIELCh color 66, 38.070, 246.432 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 66, 38.070, 246.432 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 66, 38.070, 246.432

Background



This preview shows how black text looks on a background with the CIELCh color 66, 38.070, 246.432.

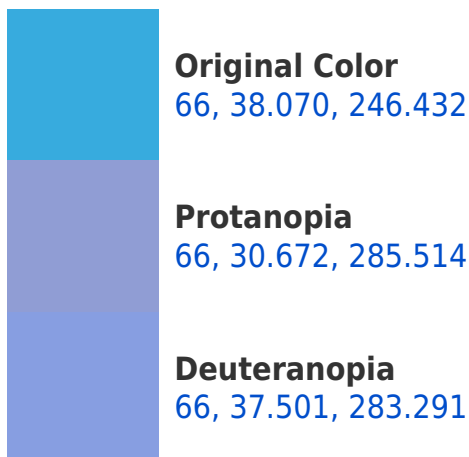


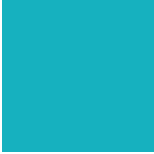
This preview shows how white text looks on a background with the CIELCh color 66, 38.070, 246.432.

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
66, 35.938, 209.352

Trichromacy



Original Color
66, 38.070, 246.432



Protanomaly
65, 32.660, 266.521



Deuteranomaly
65, 36.588, 267.600



Tritanomaly
66, 35.259, 222.511

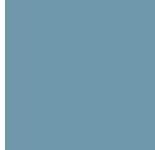
Monochromacy



Original Color
66, 38.070, 246.432



Achromatopsia
59, 0.008, 296.813



Achromatomaly
61, 17.029, 235.199

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 38.070, 246.432 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(55, 171, 222)` looks like.

```
.text, #text, p{  
    color:rgb(55, 171, 222)  
}
```

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(55, 171, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 171, 222) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 38.070, 246.432 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(55, 171, 222) }
```

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

```
.border{ border-color:rgb(55, 171, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 171, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 171, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 171, 222);  
box-shadow:4px 4px 4px 4px rgb(55, 171,  
222) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 38.070, 246.432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 171, 222) }
```

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

```
.background{ background-color: rgb(55, 171,  
222) }
```

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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