

Converting Colors

CIELCh(64, 49.819, 236.172)

Have a look what the booklet for
CIELCh(64, 49.819, 236.172)
contains.

CIELCh(66, 41.990, 246.027)	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(66, 41.990, 246.027)

Conversions

Conversions Part 1

Format	Color
Hex	03ACE4
RGB	3, 172, 228
RGB Percent	1%, 67%, 89%
CMY	0.9892, 0.3237, 0.1040
CMYK	0.99, 0.25, 0.00, 0.10
HSL	195°, 98%, 45%
HSV	195°, 99%, 90%
XYZ	28.9433, 35.3238, 79.0416
YIQ	127.8530, -118.7000, -18.4120

Conversions

Conversions Part 2

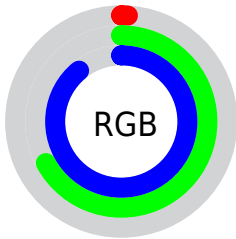
Format	Color
R _Y B	3, 100, 228
Decimal	240868
CIE Lab	66.00, -17.06, -38.37
CIE LCh	66, 41.990, 246.027
Yxy	35.3238, 0.2020, 0.2465
Android (android.graphics.Color)	4278430948 (0xFF03ACE4)
YUV	127.8530, 49.3725, -109.4961
Hunter-Lab	59.4338, -17.0827, -37.2467

Details

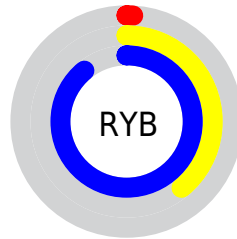
The CIELCh color **66, 41.990, 246.027** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **51, 88.941, 44.820**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **85, 35.163, 222.540**, and **48, 36.496, 256.256** is the 20% darker color. If you saturate the color by 10%, you get **66, 42.182, 246.576**, and if you desaturate by 10%, it is **68, 40.398, 241.540**.

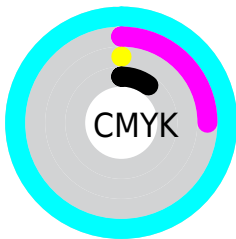
Distribution



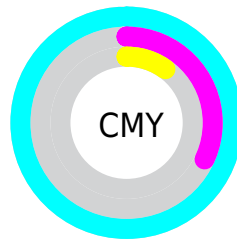
- Red (1%)
- Green (67%)
- Blue (89%)



- Red (1%)
- Yellow (39%)
- Blue (89%)



- Cyan (99%)
- Magenta (25%)
- Yellow (0%)
- Black (10%)





- Cyan (99%)
- Magenta (32%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 41.990, 246.027 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, 41.990, 246.027 by changing the saturation by 10% instead.


 66, 41.990,
246.027


 66, 41.990,
246.027


 100, 41.990,
246.027


 56, 41.990,
246.027


 86, 41.990,
246.027

 46, 41.990,
246.027

 96, 41.990,
246.027

 36, 41.990,
246.027

 26, 41.990,
246.027

 16, 41.990,
246.027

 6, 41.990, 246.027

 0, 41.990, 246.027

■ 66, 41.990,
246.027

■ 66, 41.990,
246.027

■ 66, 42.182,
246.576

■ 68, 40.398,
241.540

■ 70, 38.372,
237.687

■ 72, 35.709,
234.525

■ 74, 32.326,
231.993

■ 77, 28.217,
230.000

■ 79, 23.429,
228.453

■ 82, 18.041,
227.269

■ 85, 12.143,

226.378

■ 88, 5.830, 225.749

Harmonies

Complementary

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



66, 41.990, 246.027



51, 88.941, 44.820

Rectangle

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



66, 41.990, 246.027



66, 41.990, 296.027



66, 41.990, 66.027



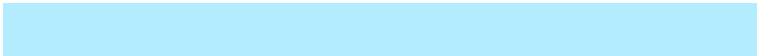
66, 41.990, 116.027

Sweetspot

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



66, 41.989, 246.028



90, 20.451, 227.415



80, 101.842, 139.255



47, 13.742, 227.896



0, 0.000, 0.000



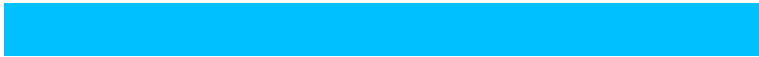
53, 0.007, 296.813

Same Dimension

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



66, 41.989, 246.028



73, 45.912, 246.890



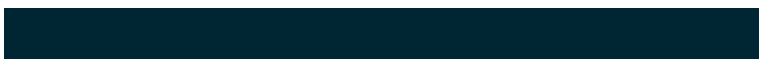
36, 99.426, 299.993



47, 3.773, 225.781



52, 34.915, 245.745



14, 14.182, 237.621

Inverse Universe

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



51, 87.711, 341.286



57, 95.244, 341.570



73, 76.463, 81.797



45, 6.985, 332.857



40, 73.160, 341.197



8, 31.530, 338.737

Previews

White Background



This preview shows how the CIE LCh color 66, 41.990, 246.027 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, 41.990, 246.027 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

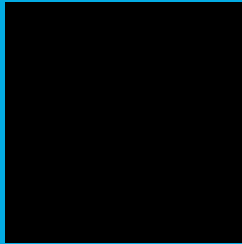
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 41.990, 246.027

Background



This preview shows how black text looks on a background with the CIELCh color 66, 41.990, 246.027.

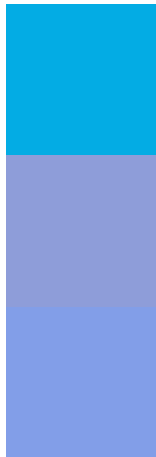


This preview shows how white text looks on a background with the CIELCh color 66, 41.990, 246.027.

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

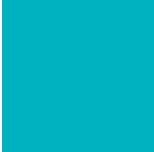
66, 41.935, 246.115

Protanopia

66, 33.457, 285.491

Deuteranopia

66, 41.452, 282.974



Tritanopia
66, 36.769, 209.005

Trichromacy



Original Color
66, 41.935, 246.115



Protanomaly
65, 36.611, 261.260



Deuteranomaly
65, 41.615, 264.996



Tritanomaly
66, 36.967, 224.116

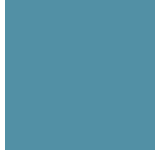
Monochromacy



Original Color
66, 41.935, 246.115



Achromatopsia
54, 0.007, 296.813



Achromatomaly
57, 22.280, 230.803

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 41.990, 246.027 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(3, 172, 228)` looks like.

```
.text, #text, p{  
    color:rgb(3, 172, 228)  
}
```

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(3, 172, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 172, 228) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 41.990, 246.027 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(3, 172, 228) }
```

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

```
.border{ border-color:rgb(3, 172, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 172, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 172, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 172, 228);  
box-shadow:4px 4px 4px 4px rgb(3, 172,  
228) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 41.990, 246.027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 172, 228) }
```

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

```
.background{ background-color: rgb(3, 172,  
228) }
```

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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