

Converting Colors

CIELCh(66, 42.500, 251.376)

Have a look what the booklet for
CIELCh(66, 42.500, 251.376)
contains.

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Color

CIELCh(66, 42.500, 251.376)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 24ABE8 |
| RGB | 36, 171, 232 |
| RGB Percent | 14%, 67%, 91% |
| CMY | 0.8588, 0.3294, 0.0902 |
| CMYK | 0.84, 0.26, 0.00, 0.09 |
| HSL | 199°, 81%, 53% |
| HSV | 199°, 84%, 91% |
| XYZ | 29.8530, 35.3238, 81.5837 |
| YIQ | 137.5890, -100.0410, -9.6490 |

Conversions

Conversions Part 2

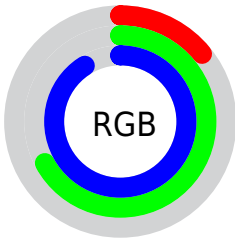
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 36, 116, 232 |
| Decimal | 2403304 |
| CIE Lab | 66.00, -13.57, -40.27 |
| CIE LCh | 66, 42.500, 251.376 |
| Yxy | 35.3238, 0.2034, 0.2407 |
| Android (android.graphics.Color) | 4280593384 (0xFF24ABE8) |
| YUV | 137.5890, 46.5446, -89.0936 |
| Hunter-Lab | 59.4338, -14.3504, -39.7826 |

Details

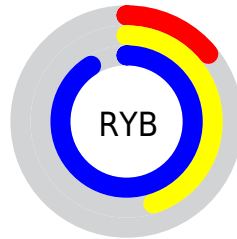
The CIELCh color **66, 42.500, 251.376** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **58, 75.802, 49.244**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **85, 33.547, 224.980**, and **47, 38.506, 260.235** is the 20% darker color. If you saturate the color by 10%, you get **64, 45.275, 256.201**, and if you desaturate by 10%, it is **69, 39.380, 247.207**.

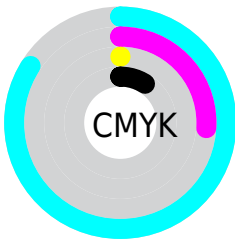
Distribution



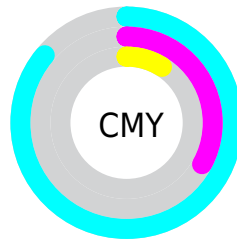
- Red (14%)
- Green (67%)
- Blue (91%)



- Red (14%)
- Yellow (45%)
- Blue (91%)



- Cyan (84%)
- Magenta (26%)
- Yellow (0%)
- Black (9%)





- Cyan (86%)
- Magenta (33%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 42.500, 251.376 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, 42.500, 251.376 by changing the saturation by 10% instead.


 66, 42.500,
251.376


 66, 42.500,
251.376


 100, 42.500,
251.376


 56, 42.500,
251.376


 86, 42.500,
251.376

 46, 42.500,
251.376

 96, 42.500,
251.376

 36, 42.500,
251.376

 26, 42.500,
251.376

 16, 42.500,
251.376

 6, 42.500, 251.376

 0, 42.500, 251.376

66, 42.500,
251.376

66, 42.500,
251.376

64, 45.275,
256.201

69, 39.380,
247.207

62, 46.781,
259.000

71, 35.763,
243.727

74, 31.572,
240.889

77, 26.799,
238.609

80, 21.485,
236.796

84, 15.697,
235.364

87, 9.512, 234.248

90, 3.006, 233.474

Harmonies

Complementary

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



66, 42.500, 251.376



58, 75.802, 49.244

Rectangle

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



66, 42.500, 251.376



66, 42.500, 301.376



66, 42.500, 71.376



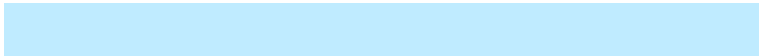
66, 42.500, 121.376

Sweetspot

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



66, 42.499, 251.377



91, 17.277, 235.447



81, 89.939, 143.845



47, 11.674, 235.921



0, 0.000, 0.000



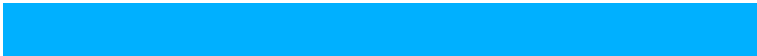
53, 0.007, 296.813

Same Dimension

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



66, 42.499, 251.377



68, 50.388, 259.292



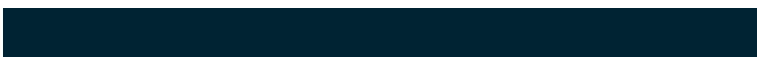
40, 93.452, 298.601



46, 3.738, 233.798



49, 38.109, 258.043



12, 14.910, 248.834

Inverse Universe

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



53, 83.321, 343.076



56, 91.314, 346.188



79, 75.252, 89.943



45, 6.678, 335.365



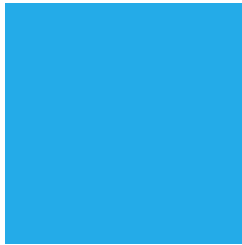
40, 70.169, 345.663



7, 30.324, 342.227

Previews

White Background



This preview shows how the CIE LCh color 66, 42.500, 251.376 looks on a white background.

Color Contrast Check

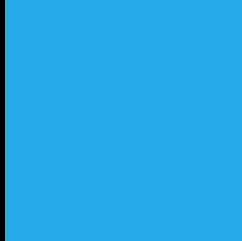
Large Text (above 18pt) WCAG AA × Fail

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 66, 42.500, 251.376 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

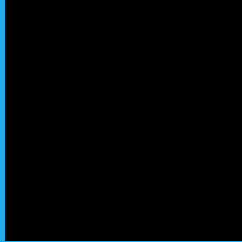
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

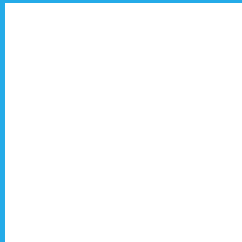
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 66, 42.500, 251.376

Background



This preview shows how black text looks on a background with the CIELCh color 66, 42.500, 251.376.

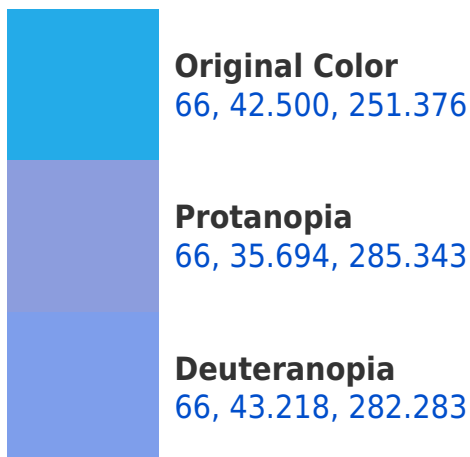


This preview shows how white text looks on a background with the CIELCh color 66, 42.500, 251.376.

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



Trichromacy



Original Color
66, 42.500, 251.376

Protanomaly
65, 37.814, 267.691

Deuteranomaly
65, 42.332, 268.583

Monochromacy



Original Color
66, 42.500, 251.376

Achromatopsia
57, 0.007, 296.813

Achromatomaly
59, 19.768, 237.633

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 42.500, 251.376 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(36, 171, 232)` looks like.

```
.text, #text, p{  
    color:rgb(36, 171, 232)  
}
```

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(36, 171, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 171, 232) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 42.500, 251.376 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(36, 171, 232) }
```

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

```
.border{ border-color:rgb(36, 171, 232) }
```

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

Here you see how a box with a 4 pixel rgb(36, 171, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 171, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 171, 232);  
box-shadow:4px 4px 4px 4px rgb(36, 171,  
232) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 42.500, 251.376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 171, 232) }
```

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

```
.background{ background-color: rgb(36, 171,  
232) }
```

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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