

Converting Colors

CIELCh(64, 38.732, 245.013)

Have a look what the booklet for
CIELCh(64, 38.732, 245.013)
contains.

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Color

CIELCh(64, 38.814, 245.508)

Conversions

Conversions Part 1

Format	Color
Hex	25A6D9
RGB	37, 166, 217
RGB Percent	15%, 65%, 85%
CMY	0.8560, 0.3478, 0.1477
CMYK	0.83, 0.23, 0.00, 0.15
HSL	197°, 71%, 50%
HSV	197°, 83%, 85%
XYZ	27.0130, 32.8017, 70.7797
YIQ	133.2430, -93.2550, -11.4870

Conversions

Conversions Part 2

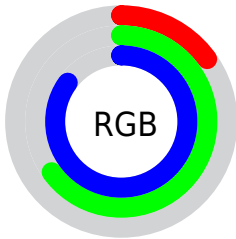
Format	Color
RYB	37, 112, 217
Decimal	2467545
CIELab	64.00, -16.09, -35.32
CIELCh	64, 38.814, 245.508
Yxy	32.8017, 0.2068, 0.2512
Android (android.graphics.Color)	4280657625 (0xFF25A6D9)
YUV	133.2430, 41.2922, -84.4051
Hunter-Lab	57.2727, -16.0368, -33.1818

Details

The CIELCh color **64, 38.814, 245.508** 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 **54, 71.606, 47.434**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 33.783, 230.196**, and **45, 34.520, 254.872** is the 20% darker color. If you saturate the color by 10%, you get **62, 41.030, 250.003**, and if you desaturate by 10%, it is **66, 36.150, 241.706**.

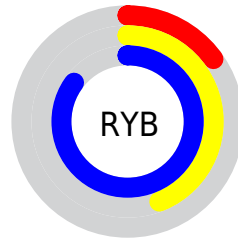
Distribution



Red (15%)

Green (65%)

Blue (85%)



Red (15%)

Yellow (44%)

Blue (85%)

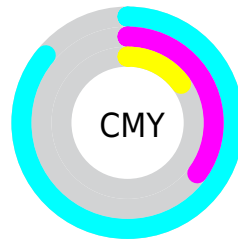


Cyan (83%)

Magenta (23%)

Yellow (0%)

Black (15%)



Cyan (86%)

Magenta (35%)

Yellow (15%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 38.814, 245.508 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 64, 38.814, 245.508 by changing the saturation by 10% instead.

 64, 38.814,
245.508

 64, 38.814,
245.508


 100, 38.814,
245.508


 54, 38.814,
245.508


 84, 38.814,
245.508

 44, 38.814,
245.508

 94, 38.814,
245.508

 34, 38.814,
245.508

 24, 38.814,
245.508

 14, 38.814,
245.508

 4, 38.814, 245.508

 0, 38.814, 245.508

■ 64, 38.814,
245.508

■ 64, 38.814,
245.508

■ 62, 41.030,
250.003

■ 66, 36.150,
241.706

■ 61, 42.452,
253.354

■ 69, 32.916,
238.585

■ 71, 29.062,
236.075

■ 74, 24.601,
234.084

■ 77, 19.587,
232.522

■ 80, 14.094,
231.307

■ 83, 8.202, 230.382

■ 86, 1.990, 229.851

Harmonies

Complementary

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



64, 38.814, 245.508



54, 71.606, 47.434

Rectangle

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



64, 38.814, 245.508



64, 38.814, 295.508



64, 38.814, 65.508



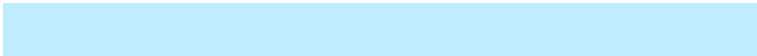
64, 38.814, 115.508

Sweetspot

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



64, 38.813, 245.508



91, 17.254, 231.539



77, 86.604, 143.058



47, 11.648, 231.956



0, 0.000, 0.000



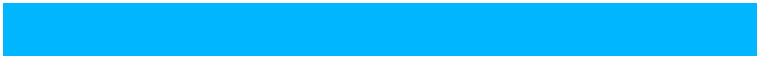
53, 0.007, 296.813

Same Dimension

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



64, 38.813, 245.508



70, 48.078, 253.851



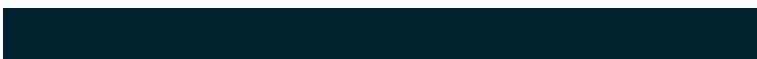
40, 83.230, 296.560



44, 3.608, 230.114



49, 35.647, 252.516



11, 13.524, 242.630

Inverse Universe

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



51, 80.237, 341.062



57, 93.024, 344.012



73, 69.617, 87.573



43, 6.566, 334.187



39, 69.983, 343.517



6, 28.356, 340.269

Previews

White Background



This preview shows how the CIELCh color 64, 38.814, 245.508 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 64, 38.814, 245.508 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 64, 38.814, 245.508

Background



This preview shows how black text looks on a background with the CIELCh color 64, 38.814, 245.508.

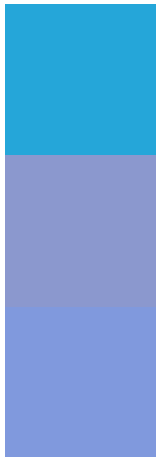


This preview shows how white text looks on a background with the CIELCh color 64, 38.814, 245.508.

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


64, 38.759, 245.600

Protanopia

64, 30.298, 285.426

Deuteranopia

64, 38.326, 282.888



Tritanopia
64, 35.826, 209.426

Trichromacy



Original Color
64, 38.759, 245.600



Protanomaly
63, 32.811, 264.273



Deuteranomaly
63, 37.696, 266.550



Tritanomaly
64, 35.564, 223.431

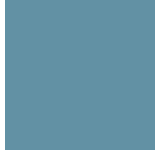
Monochromacy



Original Color
64, 38.759, 245.600



Achromatopsia
56, 0.007, 296.813



Achromatomaly
58, 18.528, 234.255

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 38.814, 245.508 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(37, 166, 217)` looks like.

```
.text, #text, p{  
    color:rgb(37, 166, 217)  
}
```

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(37, 166, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 166, 217) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 38.814, 245.508 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(37, 166, 217) }
```

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

```
.border{ border-color:rgb(37, 166, 217) }
```

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

Here you see how a box with a 4 pixel rgb(37, 166, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 166, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 166, 217);  
box-shadow:4px 4px 4px 4px rgb(37, 166,  
217) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 38.814, 245.508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 166, 217) }
```

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

```
.background{ background-color: rgb(37, 166,  
217) }
```

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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