

Converting Colors

CIELCh(55, 65.889, 238.974)

Have a look what the booklet for
CIELCh(55, 65.889, 238.974)
contains.

CIELCh(60, 48.427, 263.345)	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(60, 48.427, 263.345)

Conversions

Conversions Part 1

Format	Color
Hex	0098E5
RGB	0, 152, 229
RGB Percent	0%, 60%, 90%
CMY	0.9992, 0.4038, 0.1019
CMYK	1.00, 0.34, 0.00, 0.10
HSL	200°, 100%, 45%
HSV	200°, 100%, 90%
XYZ	25.3799, 28.1233, 78.2371
YIQ	115.3300, -115.3090, -8.2770

Conversions

Conversions Part 2

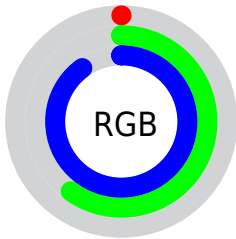
Format	Color
R _Y B	0, 91, 229
Decimal	39141
CIE Lab	60.00, -5.61, -48.10
CIE LCh	60, 48.427, 263.345
Yxy	28.1233, 0.1927, 0.2135
Android (android.graphics.Color)	4278229221 (0xFF0098E5)
YUV	115.3300, 56.0393, -101.1444
Hunter-Lab	53.0314, -7.3779, -50.3483

Details

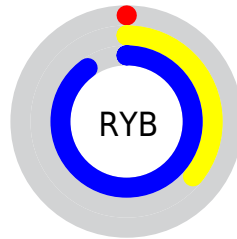
The CIELCh color **60, 48.427, 263.345** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **54, 85.830, 48.818**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **79, 36.305, 244.755**, and **42, 44.810, 273.498** is the 20% darker color. If you saturate the color by 10%, you get **60, 48.455, 263.389**, and if you desaturate by 10%, it is **62, 45.225, 258.256**.

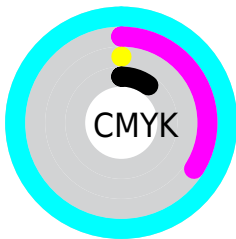
Distribution



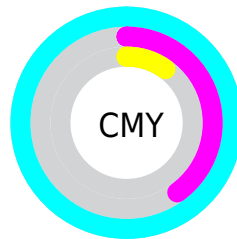
- Red (0%)
- Green (60%)
- Blue (90%)



- Red (0%)
- Yellow (36%)
- Blue (90%)



- Cyan (100%)
- Magenta (34%)
- Yellow (0%)
- Black (10%)





- Cyan (100%)
- Magenta (40%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 60, 48.427, 263.345 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 60, 48.427, 263.345 by changing the saturation by 10% instead.

 60, 48.427,
263.345


 60, 48.427,
263.345


 100, 48.427,
263.345


 50, 48.427,
263.345


 80, 48.427,
263.345

 40, 48.427,
263.345

 90, 48.427,
263.345

 30, 48.427,
263.345

 20, 48.427,
263.345

 10, 48.427,
263.345

 0, 48.427, 263.345

 60, 48.427,

 60, 48.427,

263.345

■ 60, 48.455,
263.389

263.345

■ 62, 45.225,
258.256

■ 65, 41.914,
253.602

■ 68, 38.265,
249.601

■ 71, 34.155,
246.264

■ 74, 29.532,
243.537

■ 77, 24.403,
241.335

■ 80, 18.815,
239.572

■ 84, 12.830,
238.168

Harmonies

Complementary

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



60, 48.427, 263.345



54, 85.830, 48.818

Rectangle

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



60, 48.427, 263.345



60, 48.427, 313.345



60, 48.427, 83.345



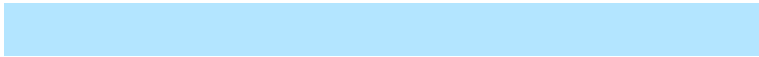
60, 48.427, 133.345

Sweetspot

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



60, 48.426, 263.346



88, 20.573, 239.614



80, 96.035, 141.922



46, 13.875, 240.318



0, 0.000, 0.000



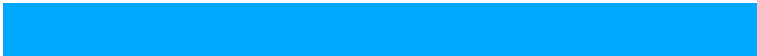
53, 0.007, 296.813

Same Dimension

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



60, 48.426, 263.346



66, 52.751, 263.725



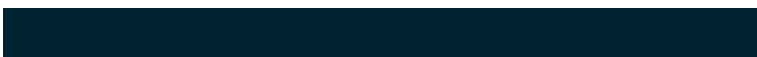
32, 112.702, 303.734



46, 3.744, 237.032



47, 39.814, 262.468



12, 15.346, 253.063

Inverse Universe

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



51, 83.017, 348.010



56, 89.942, 348.190



78, 79.963, 90.529



45, 6.559, 336.437



39, 69.116, 347.599



7, 29.875, 343.732

Previews

White Background



This preview shows how the CIE LCh color 60, 48.427, 263.345 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 60, 48.427, 263.345 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 × Fail

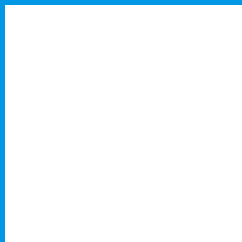
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 60, 48.427, 263.345

Background



This preview shows how black text looks on a background with the CIELCh color 60, 48.427, 263.345.



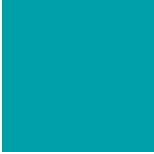
This preview shows how white text looks on a background with the CIELCh color 60, 48.427, 263.345.

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
60, 34.209, 207.223

Trichromacy



Original Color
60, 48.427, 263.345



Protanomaly
59, 46.301, 272.955



Deuteranomaly
59, 49.493, 271.779



Tritanomaly
60, 35.261, 231.801

Monochromacy



Original Color
60, 48.427, 263.345



Achromatopsia
48, 0.006, 296.813



Achromatomaly
51, 22.888, 244.136

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 48.427, 263.345 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(0, 152, 229)` looks like.

```
.text, #text, p{  
    color:rgb(0, 152, 229)  
}
```

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(0, 152, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 152, 229) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 48.427, 263.345 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(0, 152, 229) }
```

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

```
.border{ border-color:rgb(0, 152, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 152, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 152, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 152, 229);  
box-shadow:4px 4px 4px 4px rgb(0, 152,  
229) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 48.427, 263.345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 152, 229) }
```

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

```
.background{ background-color: rgb(0, 152,  
229) }
```

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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