

Converting Colors

CIELCh(53, 42.764, 261.389)

Have a look what the booklet for
CIELCh(53, 42.764, 261.389)
contains.

CIELCh(53, 42.604, 261.205)	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(53, 42.604, 261.205)

Conversions

Conversions Part 1

Format	Color
Hex	0086C7
RGB	0, 134, 199
RGB Percent	0%, 53%, 78%
CMY	1.0000, 0.4759, 0.2211
CMYK	1.00, 0.33, 0.00, 0.22
HSL	200°, 100%, 39%
HSV	200°, 100%, 78%
XYZ	18.7179, 21.0462, 56.8725
YIQ	101.3440, -100.7290, -8.1930

Conversions

Conversions Part 2

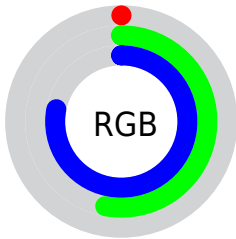
Format	Color
RYB	0, 80, 199
Decimal	34503
CIELab	53.00, -6.51, -42.10
CIELCh	53, 42.604, 261.205
Yxy	21.0462, 0.1937, 0.2178
Android (android.graphics.Color)	4278224583 (0xFF0086C7)
YUV	101.3440, 48.1444, -88.8787
Hunter-Lab	45.8761, -7.4533, -41.3884

Details

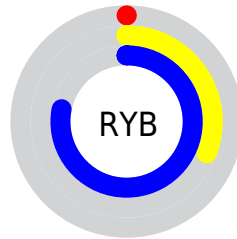
The CIELCh color **53, 42.604, 261.205** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **47, 77.329, 48.620**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **73, 42.075, 260.680**, and **35, 39.158, 273.159** is the 20% darker color. If you saturate the color by 10%, you get **53, 42.575, 261.280**, and if you desaturate by 10%, it is **55, 39.876, 256.319**.

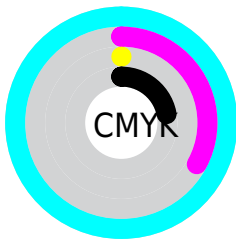
Distribution



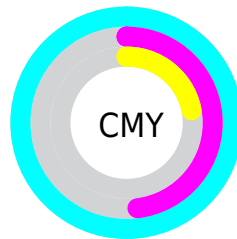
- Red (0%)
- Green (53%)
- Blue (78%)



- Red (0%)
- Yellow (31%)
- Blue (78%)



- Cyan (100%)
- Magenta (33%)
- Yellow (0%)
- Black (22%)





- Cyan (100%)
- Magenta (48%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 42.604, 261.205 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 53, 42.604, 261.205 by changing the saturation by 10% instead.


 53, 42.604,
261.205


 53, 42.604,
261.205


 100, 42.604,
261.205


 43, 42.604,
261.205


 73, 42.604,
261.205

 33, 42.604,
261.205

 83, 42.604,
261.205

 23, 42.604,
261.205

 93, 42.604,
261.205

 13, 42.604,
261.205

 3, 42.604, 261.205

 0, 42.604, 261.205

■ 53, 42.604,
261.205

■ 53, 42.604,
261.205

■ 53, 42.575,
261.280

■ 55, 39.876,
256.319

■ 57, 37.056,
251.786

■ 60, 33.902,
247.909

■ 62, 30.312,
244.689

■ 65, 26.247,
242.063

■ 68, 21.719,
239.948

■ 71, 16.770,
238.257

■ 74, 11.460,

236.914

■ 77, 5.851, 235.871

Harmonies

Complementary

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



53, 42.604, 261.205



47, 77.329, 48.620

Rectangle

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



53, 42.604, 261.205



53, 42.604, 311.205



53, 42.604, 81.205



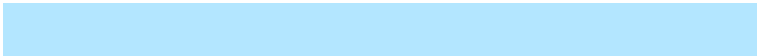
53, 42.604, 131.205

Sweetspot

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



53, 42.575, 261.280



89, 20.517, 238.324



70, 87.028, 141.558



46, 13.831, 239.008



0, 0.000, 0.000



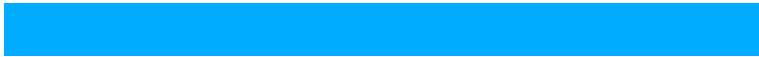
53, 0.007, 296.813

Same Dimension

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



53, 42.575, 261.280



67, 51.838, 262.115



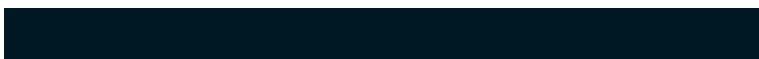
28, 99.068, 303.083



40, 3.326, 235.817



44, 36.502, 260.473



7, 11.606, 249.299

Inverse Universe

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



44, 75.139, 347.057



56, 90.437, 347.436



68, 71.317, 89.229



39, 5.868, 336.022



36, 65.128, 346.699



4, 20.106, 342.250

Previews

White Background



This preview shows how the CIE LCh color 53, 42.604, 261.205 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 53, 42.604, 261.205 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

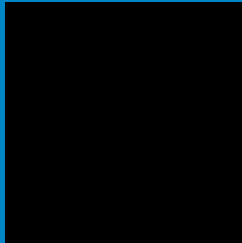
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 42.604, 261.205

Background



This preview shows how black text looks on a background with the CIELCh color 53, 42.604, 261.205.

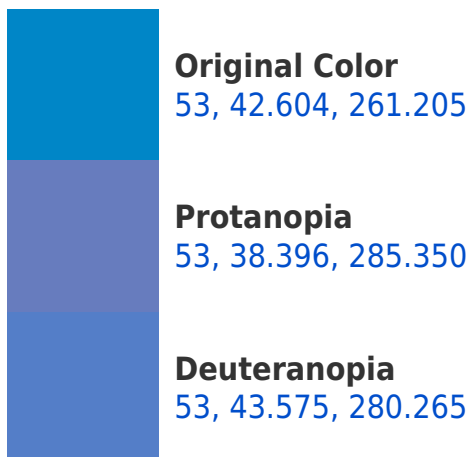


This preview shows how white text looks on a background with the CIELCh color 53, 42.604, 261.205.

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
53, 31.011, 207.525

Trichromacy



Original Color
53, 42.604, 261.205

Protanomaly
52, 39.870, 271.140

Deuteranomaly
52, 43.080, 270.439

Tritanomaly
53, 31.896, 230.607

Monochromacy



Original Color
53, 42.604, 261.205

Achromatopsia
43, 0.006, 296.813

Achromatomaly
45, 20.223, 241.247

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 42.604, 261.205 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, 134, 199)` looks like.

```
.text, #text, p{  
    color:rgb(0, 134, 199)  
}
```

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, 134, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 134, 199) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 42.604, 261.205 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, 134, 199) }
```

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

```
.border{ border-color:rgb(0, 134, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 134, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 134, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 134, 199);  
box-shadow:4px 4px 4px 4px rgb(0, 134,  
199) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 42.604, 261.205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 134, 199) }
```

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

```
.background{ background-color: rgb(0, 134,  
199) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor