

Converting Colors

CIELCh(46, 79.749, 253.712)

Have a look what the booklet for
CIELCh(46, 79.749, 253.712)
contains.

CIELCh(53, 65.544, 281.636)	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, 65.544, 281.636)

Conversions

Conversions Part 1

Format	Color
Hex	007EEE
RGB	0, 126, 238
RGB Percent	0%, 49%, 93%
CMY	1.0000, 0.5059, 0.0673
CMYK	1.00, 0.47, 0.00, 0.07
HSL	208°, 100%, 47%
HSV	208°, 100%, 93%
XYZ	22.7915, 21.0462, 83.6334
YIQ	101.0940, -111.0480, 8.1200

Conversions

Conversions Part 2

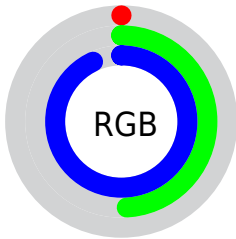
Format	Color
R _Y B	0, 82, 238
Decimal	32494
CIE Lab	53.00, 13.22, -64.20
CIE LCh	53, 65.544, 281.636
Yxy	21.0462, 0.1788, 0.1651
Android (android.graphics.Color)	4278222574 (0xFF007EEE)
YUV	101.0940, 67.4947, -88.6594
Hunter-Lab	45.8761, 8.3967, -75.9740

Details

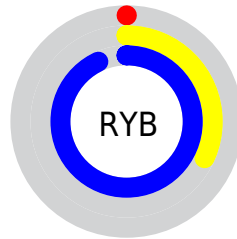
The CIELCh color **53, 65.544, 281.636** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **61, 82.256, 57.551**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **71, 44.751, 269.994**, and **36, 63.746, 290.064** is the 20% darker color. If you saturate the color by 10%, you get **53, 65.505, 281.795**, and if you desaturate by 10%, it is **56, 59.188, 277.074**.

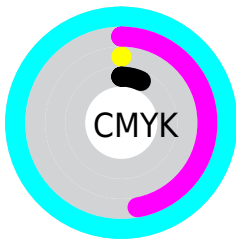
Distribution



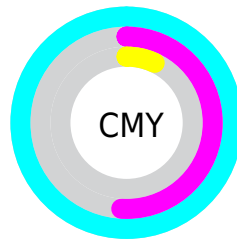
- Red (0%)
- Green (49%)
- Blue (93%)



- Red (0%)
- Yellow (32%)
- Blue (93%)



- Cyan (100%)
- Magenta (47%)
- Yellow (0%)
- Black (7%)





- Cyan (100%)
- Magenta (51%)
- Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 65.544, 281.636 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, 65.544, 281.636 by changing the saturation by 10% instead.


 53, 65.544,
281.636


 53, 65.544,
281.636


 100, 65.544,
281.636


 43, 65.544,
281.636


 73, 65.544,
281.636

 33, 65.544,
281.636

 83, 65.544,
281.636

 23, 65.544,
281.636

 93, 65.544,
281.636

 13, 65.544,
281.636

 3, 65.544, 281.636

 0, 65.544, 281.636

■ 53, 65.544,
281.636

■ 53, 65.544,
281.636

■ 53, 65.505,
281.795

■ 56, 59.188,
277.074

■ 60, 53.061,
272.495

■ 64, 46.974,
268.334

■ 68, 40.803,
264.689

■ 72, 34.466,
261.576

■ 76, 27.926,
258.958

■ 81, 21.183,
256.773

■ 85, 14.260,

254.958

■ 89, 7.189, 253.464

Harmonies

Complementary

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



53, 65.544, 281.636



61, 82.256, 57.551

Rectangle

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



53, 65.544, 281.636



53, 65.544, 331.636



53, 65.544, 101.636



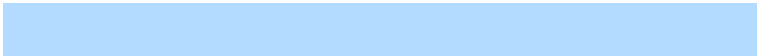
53, 65.544, 151.636

Sweetspot

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



53, 65.505, 281.795



86, 22.411, 256.795



83, 88.091, 147.138



44, 15.220, 257.673



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, 65.505, 281.795



57, 69.302, 281.985



30, 125.600, 305.995



48, 4.112, 253.395



41, 53.109, 280.963



11, 20.290, 272.995

Inverse Universe

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



51, 80.745, 359.900



55, 85.080, 0.069



89, 89.669, 100.675



47, 6.190, 342.813



40, 66.627, 359.179



8, 29.747, 353.305

Previews

White Background



This preview shows how the CIE LCh color 53, 65.544, 281.636 looks on a white background.

Color Contrast Check

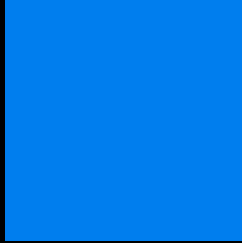
Large Text (above 18pt) WCAG AA ✓ Pass

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, 65.544, 281.636 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

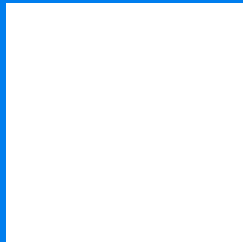
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 53, 65.544, 281.636

Background



This preview shows how black text looks on a background with the CIELCh color 53, 65.544, 281.636.



This preview shows how white text looks on a background with the CIELCh color 53, 65.544, 281.636.

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

53, 65.588, 281.837

Protanopia

53, 64.833, 287.290

Deuteranopia

53, 57.732, 276.886



Tritanopia
53, 31.070, 206.382

Trichromacy



Original Color
53, 65.588, 281.837

Protanomaly
53, 65.284, 284.410

Deuteranomaly
53, 60.316, 278.673

Tritanomaly
53, 35.521, 247.024

Monochromacy



Original Color
53, 65.588, 281.837

Achromatopsia
43, 0.006, 296.813

Achromatomaly
45, 27.261, 263.452

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 65.544, 281.636 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, 126, 238)` looks like.

```
.text, #text, p{  
    color:rgb(0, 126, 238)  
}
```

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, 126, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 126, 238) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 65.544, 281.636 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, 126, 238) }
```

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

```
.border{ border-color:rgb(0, 126, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 126, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 126, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 126, 238);  
box-shadow:4px 4px 4px 4px rgb(0, 126,  
238) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 65.544, 281.636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 126, 238) }
```

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

```
.background{ background-color: rgb(0, 126,  
238) }
```

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