

Converting Colors

CIELCh(44, 54.171, 280.257)

Have a look what the booklet for
CIELCh(44, 54.171, 280.257)
contains.

CIELCh(44, 54.242, 280.340)	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(44, 54.242, 280.340)

Conversions

Conversions Part 1

Format	Color
Hex	0668C1
RGB	6, 104, 193
RGB Percent	2%, 41%, 76%
CMY	0.9765, 0.5914, 0.2423
CMYK	0.97, 0.46, 0.00, 0.24
HSL	209°, 94%, 39%
HSV	209°, 97%, 76%
XYZ	14.6948, 13.8382, 52.4791
YIQ	84.8440, -86.9770, 6.9030

Conversions

Conversions Part 2

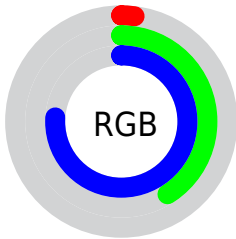
Format	Color
R_{YB}	6, 70, 193
Decimal	420033
CIE _{Lab}	44.00, 9.74, -53.36
CIE _{LCh}	44, 54.242, 280.340
Yxy	13.8382, 0.1814, 0.1708
Android (android.graphics.Color)	4278610113 (0xFF0668C1)
YUV	84.8440, 53.3209, -69.1462
Hunter-Lab	37.1997, 5.4125, -57.6028

Details

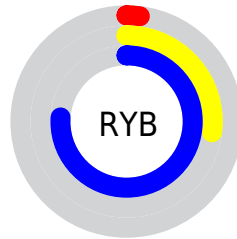
The CIELCh color **44, 54.242, 280.340** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **51, 68.394, 59.198**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 53.904, 280.136**, and **26, 52.629, 290.163** is the 20% darker color. If you saturate the color by 10%, you get **43, 55.957, 281.715**, and if you desaturate by 10%, it is **47, 48.891, 275.712**.

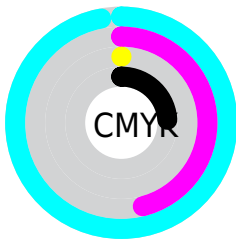
Distribution



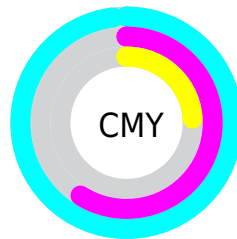
- Red (2%)
- Green (41%)
- Blue (76%)



- Red (2%)
- Yellow (27%)
- Blue (76%)



- Cyan (97%)
- Magenta (46%)
- Yellow (0%)
- Black (24%)





- Cyan (98%)
- Magenta (59%)
- Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 54.242, 280.340 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 44, 54.242, 280.340 by changing the saturation by 10% instead.


 44, 54.242,
280.340


 44, 54.242,
280.340


 100, 54.242,
280.340

 34, 54.242,
280.340

 64, 54.242,
280.340


 24, 54.242,
280.340

 74, 54.242,
280.340

 14, 54.242,
280.340

 84, 54.242,
280.340

 4, 54.242, 280.340

 94, 54.242,
280.340

 0, 54.242, 280.340

 44, 54.242,

 44, 54.242,

280.340

■ 43, 55.957,
281.715

280.340

■ 47, 48.891,
275.712

■ 50, 43.651,
271.358

■ 53, 38.410,
267.456

■ 57, 33.079,
264.066

■ 60, 27.605,
261.179

■ 64, 21.968,
258.752

■ 68, 16.175,
256.724

■ 72, 10.248,
255.035

Harmonies

Complementary

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



44, 54.242, 280.340



51, 68.394, 59.198

Rectangle

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



44, 54.242, 280.340



44, 54.242, 330.340



44, 54.242, 100.340



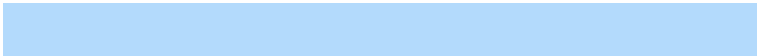
44, 54.242, 150.340

Sweetspot

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



44, 54.242, 280.342



85, 21.615, 257.211



69, 73.460, 148.115



44, 14.888, 258.089



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



44, 54.242, 280.342



56, 69.496, 282.523



24, 105.650, 305.654



39, 3.466, 253.966



36, 48.166, 281.020



5, 12.488, 267.257

Inverse Universe

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



42, 68.756, 358.689



55, 84.341, 0.551



74, 76.154, 100.814



38, 5.176, 343.070



34, 60.353, 359.228



3, 16.054, 350.860

Previews

White Background



This preview shows how the CIE LCh color 44, 54.242, 280.340 looks on a white 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

Black Background



This preview shows how the CIE LCh color 44, 54.242, 280.340 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

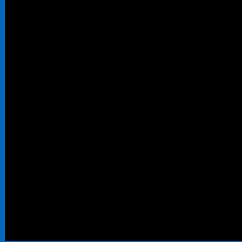
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 54.242, 280.340

Background



This preview shows how black text looks on a background with the CIELCh color 44, 54.242, 280.340.



This preview shows how white text looks on a background with the CIELCh color 44, 54.242, 280.340.

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
44, 26.936, 207.010

Trichromacy



Original Color
44, 54.233, 280.381

Protanomaly
44, 53.807, 283.466

Deuteranomaly
44, 51.558, 278.223

Tritanomaly
44, 30.604, 246.560

Monochromacy



Original Color
44, 54.233, 280.381

Achromatopsia
36, 0.005, 296.813

Achromatomaly
38, 22.172, 262.252

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 54.242, 280.340 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(6, 104, 193)` looks like.

```
.text, #text, p{  
    color:rgb(6, 104, 193)  
}
```

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(6, 104, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 104, 193) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 54.242, 280.340 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(6, 104, 193) }
```

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

```
.border{ border-color:rgb(6, 104, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 104, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 104, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 104, 193);  
box-shadow:4px 4px 4px 4px rgb(6, 104,  
193) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 54.242, 280.340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 104, 193) }
```

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

```
.background{ background-color: rgb(6, 104,  
193) }
```

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