

Converting Colors

CIELCh(46, 54.276, 280.091)

Have a look what the booklet for
CIELCh(46, 54.276, 280.091)
contains.

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Color

CIELCh(46, 54.416, 280.242)

Conversions

Conversions Part 1

Format	Color
Hex	166DC7
RGB	22, 109, 199
RGB Percent	9%, 43%, 78%
CMY	0.9121, 0.5721, 0.2191
CMYK	0.89, 0.45, 0.00, 0.22
HSL	211°, 80%, 43%
HSV	211°, 89%, 78%
XYZ	16.1464, 15.2687, 56.2150
YIQ	93.2470, -80.7420, 9.5460

Conversions

Conversions Part 2

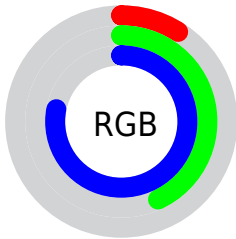
Format	Color
R_{YB}	22, 80, 199
Decimal	1469895
CIE _{Lab}	46.00, 9.68, -53.55
CIE _{LCh}	46, 54.416, 280.242
Yxy	15.2687, 0.1843, 0.1742
Android (android.graphics.Color)	4279659975 (0xFF166DC7)
YUV	93.2470, 52.1362, -62.4836
Hunter-Lab	39.0751, 5.3774, -57.9443

Details

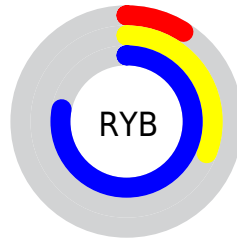
The CIELCh color **46, 54.416, 280.242** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **56, 65.147, 64.025**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 53.663, 279.774**, and **28, 52.194, 288.718** is the 20% darker color. If you saturate the color by 10%, you get **43, 60.603, 284.698**, and if you desaturate by 10%, it is **49, 48.409, 275.929**.

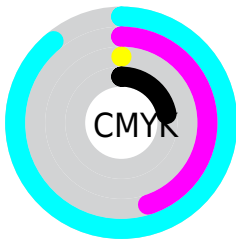
Distribution



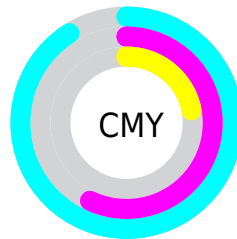
- Red (9%)
- Green (43%)
- Blue (78%)



- Red (9%)
- Yellow (31%)
- Blue (78%)



- Cyan (89%)
- Magenta (45%)
- Yellow (0%)
- Black (22%)





- Cyan (91%)
- Magenta (57%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 54.416, 280.242 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 46, 54.416, 280.242 by changing the saturation by 10% instead.


 46, 54.416,
280.242


 46, 54.416,
280.242


 100, 54.416,
280.242


 36, 54.416,
280.242

 66, 54.416,
280.242


 26, 54.416,
280.242

 76, 54.416,
280.242

 16, 54.416,
280.242

 86, 54.416,
280.242

 6, 54.416, 280.242

 96, 54.416,
280.242

 0, 54.416, 280.242

 46, 54.416,

 46, 54.416,

280.242

■ 43, 60.603,
284.698

■ 42, 61.399,
285.223

280.242

■ 49, 48.409,
275.929

■ 53, 42.486,
271.995

■ 57, 36.559,
268.529

■ 60, 30.564,
265.547

■ 64, 24.470,
263.018

■ 68, 18.271,
260.888

■ 73, 11.979,
259.102

■ 77, 5.615, 257.620

Harmonies

Complementary

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



46, 54.416, 280.242



56, 65.147, 64.025

Rectangle

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



46, 54.416, 280.242



46, 54.416, 330.242



46, 54.416, 100.242



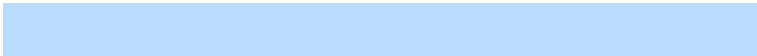
46, 54.416, 150.242

Sweetspot

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



46, 54.416, 280.243



86, 20.991, 260.628



71, 68.983, 151.508



44, 14.115, 261.307



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



46, 54.416, 280.243



54, 75.068, 285.921



26, 104.820, 305.229



40, 3.635, 257.705



35, 52.201, 284.523



5, 14.171, 271.102

Inverse Universe

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



44, 68.542, 358.712



55, 84.539, 3.857



78, 77.844, 103.075



39, 5.169, 344.897



35, 60.647, 2.441



4, 17.767, 353.552

Previews

White Background



This preview shows how the CIE LCh color 46, 54.416, 280.242 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 46, 54.416, 280.242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

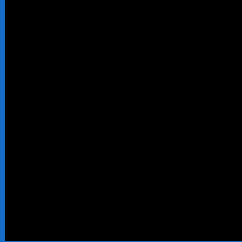
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 54.416, 280.242

Background



This preview shows how black text looks on a background with the CIELCh color 46, 54.416, 280.242.




This preview shows how white text looks on a background with the CIELCh color 46, 54.416, 280.242.

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
46, 27.730, 207.919

Trichromacy



Original Color
46, 54.416, 280.242

Protanomaly
46, 54.508, 284.257

Deuteranomaly
46, 52.950, 278.266

Tritanomaly
46, 31.223, 246.437

Monochromacy



Original Color
46, 54.416, 280.242

Achromatopsia
39, 0.006, 296.813

Achromatomaly
41, 22.047, 265.066

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 54.416, 280.242 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(22, 109, 199)` looks like.

```
.text, #text, p{  
    color:rgb(22, 109, 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(22, 109, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 109, 199) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 54.416, 280.242 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(22, 109, 199) }
```

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

```
.border{ border-color:rgb(22, 109, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 109, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 109, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 109, 199);  
box-shadow:4px 4px 4px 4px rgb(22, 109,  
199) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 54.416, 280.242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 109, 199) }
```

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

```
.background{ background-color: rgb(22, 109,  
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](#).

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