

Converting Colors

CIELCh(46, 55.832, 279.990)

Have a look what the booklet for
CIELCh(46, 55.832, 279.990)
contains.

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Color

CIELCh(46, 56.224, 280.284)

Conversions

Conversions Part 1

Format	Color
Hex	036DCA
RGB	3, 109, 202
RGB Percent	1%, 43%, 79%
CMY	0.9883, 0.5718, 0.2070
CMYK	0.99, 0.46, 0.00, 0.21
HSL	208°, 97%, 40%
HSV	208°, 99%, 79%
XYZ	16.2098, 15.2687, 58.0981
YIQ	87.9080, -93.0290, 6.4510

Conversions

Conversions Part 2

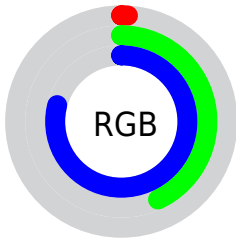
Format	Color
R _Y B	3, 72, 202
Decimal	224714
CIE Lab	46.00, 10.04, -55.32
CIE LCh	46, 56.224, 280.284
Yxy	15.2687, 0.1810, 0.1705
Android (android.graphics.Color)	4278414794 (0xFF036DCA)
YUV	87.9080, 56.2474, -74.4643
Hunter-Lab	39.0751, 5.6671, -60.8015

Details

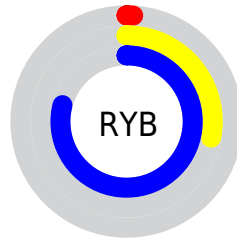
The CIELCh color **46, 56.224, 280.284** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **53, 71.949, 58.032**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **66, 53.791, 279.164**, and **29, 53.977, 289.513** is the 20% darker color. If you saturate the color by 10%, you get **46, 57.053, 280.945**, and if you desaturate by 10%, it is **49, 50.801, 275.601**.

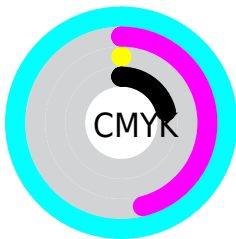
Distribution



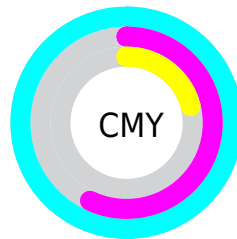
- Red (1%)
- Green (43%)
- Blue (79%)



- Red (1%)
- Yellow (28%)
- Blue (79%)



- Cyan (99%)
- Magenta (46%)
- Yellow (0%)
- Black (21%)



- Cyan (99%)
- Magenta (57%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 56.224, 280.284 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, 56.224, 280.284 by changing the saturation by 10% instead.


 46, 56.224,
280.284


 46, 56.224,
280.284


 100, 56.224,
280.284


 36, 56.224,
280.284

 66, 56.224,
280.284

 26, 56.224,
280.284

 76, 56.224,
280.284

 16, 56.224,
280.284

 86, 56.224,
280.284

 6, 56.224, 280.284

 96, 56.224,
280.284

 0, 56.224, 280.284

 46, 56.224,

 46, 56.224,

280.284

■ 46, 57.053,
280.945

280.284

■ 49, 50.801,
275.601

■ 52, 45.510,
271.137

■ 55, 40.220,
267.119

■ 59, 34.831,
263.620

■ 63, 29.281,
260.640

■ 66, 23.546,
258.137

■ 70, 17.632,
256.049

■ 74, 11.560,
254.313

Harmonies

Complementary

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



46, 56.224, 280.284



53, 71.949, 58.032

Rectangle

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



46, 56.224, 280.284



46, 56.224, 330.284



46, 56.224, 100.284



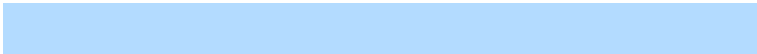
46, 56.224, 150.284

Sweetspot

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



46, 56.224, 280.286



86, 22.345, 256.415



72, 76.882, 147.695



44, 15.172, 257.290



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, 56.224, 280.286



57, 68.838, 281.634



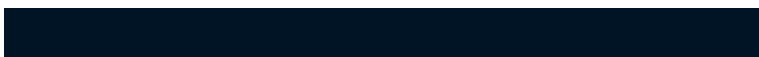
25, 110.222, 305.817



41, 3.594, 253.002



37, 48.559, 280.216



6, 14.531, 268.022

Inverse Universe

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



44, 71.454, 358.624



55, 85.144, 359.759



77, 79.111, 100.749



40, 5.432, 342.628



36, 61.877, 358.551



4, 20.271, 351.449

Previews

White Background



This preview shows how the CIE LCh color 46, 56.224, 280.284 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, 56.224, 280.284 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

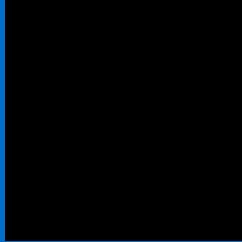
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 56.224, 280.284

Background



This preview shows how black text looks on a background with the CIELCh color 46, 56.224, 280.284.



This preview shows how white text looks on a background with the CIELCh color 46, 56.224, 280.284.

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



Trichromacy



Original Color
46, 56.216, 280.320

Protanomaly
46, 55.774, 283.356

Deuteranomaly
46, 53.543, 278.341

Monochromacy



Original Color
46, 56.216, 280.320

Achromatopsia
37, 0.005, 296.813

Achromatomaly
39, 23.413, 262.124

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 56.224, 280.284 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(3, 109, 202)` looks like.

```
.text, #text, p{  
    color:rgb(3, 109, 202)  
}
```

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(3, 109, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 109, 202) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 56.224, 280.284 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(3, 109, 202) }
```

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

```
.border{ border-color:rgb(3, 109, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 109, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(3, 109, 202); -webkit-box-shadow:4px 4px 4px 4px rgb(3, 109, 202); box-shadow:4px 4px 4px 4px rgb(3, 109, 202) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 56.224, 280.284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 109, 202) }
```

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

```
.background{ background-color: rgb(3, 109,  
202) }
```

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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