

Converting Colors

CIELCh(45, 47.319, 270.123)

Have a look what the booklet for
CIELCh(45, 47.319, 270.123)
contains.

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Color

CIELCh(46, 46.805, 272.816)

Conversions

Conversions Part 1

Format	Color
Hex	0670BB
RGB	6, 112, 187
RGB Percent	2%, 44%, 73%
CMY	0.9782, 0.5600, 0.2653
CMYK	0.97, 0.40, 0.00, 0.27
HSL	205°, 94%, 38%
HSV	205°, 97%, 73%
XYZ	14.8903, 15.2687, 49.3657
YIQ	88.8560, -87.2510, 0.8530

Conversions

Conversions Part 2

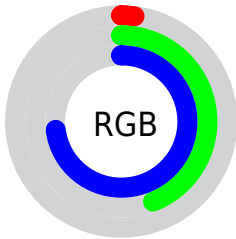
Format	Color
R _Y B	6, 73, 187
Decimal	422075
CIE Lab	46.00, 2.30, -46.75
CIE LCh	46, 46.805, 272.816
Yxy	15.2687, 0.1872, 0.1920
Android (android.graphics.Color)	4278612155 (0xFF0670BB)
YUV	88.8560, 48.3850, -72.6647
Hunter-Lab	39.0751, -0.3610, -47.5517

Details

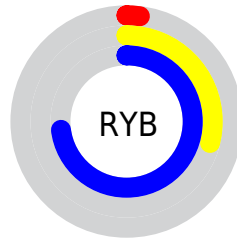
The CIELCh color **46, 46.805, 272.816** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **48, 68.773, 54.517**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **66, 47.006, 273.103**, and **28, 44.327, 283.835** is the 20% darker color. If you saturate the color by 10%, you get **45, 48.056, 274.208**, and if you desaturate by 10%, it is **49, 42.732, 267.962**.

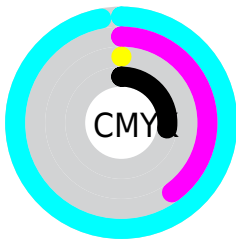
Distribution



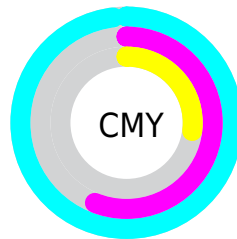
- Red (2%)
- Green (44%)
- Blue (73%)



- Red (2%)
- Yellow (29%)
- Blue (73%)



- Cyan (97%)
- Magenta (40%)
- Yellow (0%)
- Black (27%)





- Cyan (98%)
- Magenta (56%)
- Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 46.805, 272.816 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, 46.805, 272.816 by changing the saturation by 10% instead.


 46, 46.805,
272.816


 46, 46.805,
272.816


 100, 46.805,
272.816


 36, 46.805,
272.816

 66, 46.805,
272.816


 26, 46.805,
272.816

 76, 46.805,
272.816

 16, 46.805,
272.816

 86, 46.805,
272.816

 6, 46.805, 272.816

 96, 46.805,
272.816

 0, 46.805, 272.816

 46, 46.805,

 46, 46.805,

272.816

272.816

■ 45, 48.056,
274.208

■ 49, 42.732,
267.962

■ 51, 38.659,
263.494

■ 54, 34.449,
259.571

■ 57, 30.013,
256.225

■ 60, 25.308,
253.424

■ 63, 20.330,
251.106

■ 67, 15.102,
249.197

■ 70, 9.659, 247.634

Harmonies

Complementary

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



46, 46.805, 272.816



48, 68.773, 54.517

Rectangle

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



46, 46.805, 272.816



46, 46.805, 322.816



46, 46.805, 92.816



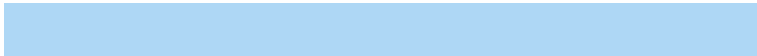
46, 46.805, 142.816

Sweetspot

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



46, 46.804, 272.817



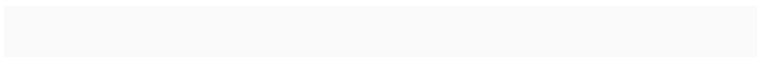
84, 20.051, 249.630



67, 76.356, 145.231



43, 13.652, 250.438



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



46, 46.804, 272.817



58, 59.574, 275.105



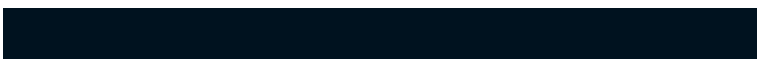
25, 99.264, 304.547



38, 3.265, 246.644



38, 41.937, 273.507



5, 10.600, 260.184

Inverse Universe

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



41, 68.672, 353.209



53, 84.004, 354.699



69, 71.088, 96.216



37, 5.285, 339.932



34, 60.913, 353.634



3, 14.726, 346.470

Previews

White Background



This preview shows how the CIELCh color 46, 46.805, 272.816 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, 46.805, 272.816 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

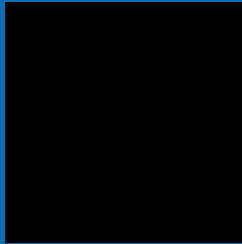
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 46.805, 272.816

Background



This preview shows how black text looks on a background with the CIELCh color 46, 46.805, 272.816.



This preview shows how white text looks on a background with the CIELCh color 46, 46.805, 272.816.

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, 27.957, 206.525

Trichromacy



Original Color
46, 46.726, 272.825

Protanomaly
45, 46.190, 279.282

Deuteranomaly
46, 47.305, 275.795

Tritanomaly
46, 29.661, 237.852

Monochromacy



Original Color
46, 46.726, 272.825

Achromatopsia
38, 0.005, 296.813

Achromatomaly
40, 20.461, 255.912

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 46.805, 272.816 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, 112, 187)` looks like.

```
.text, #text, p{  
    color:rgb(6, 112, 187)  
}
```

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, 112, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 112, 187) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 46.805, 272.816 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, 112, 187) }
```

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

```
.border{ border-color:rgb(6, 112, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 112, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 112, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 112, 187);  
box-shadow:4px 4px 4px 4px rgb(6, 112,  
187) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 46.805, 272.816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 112, 187) }
```

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

```
.background{ background-color: rgb(6, 112,  
187) }
```

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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