

Converting Colors

CIELCh(46, 38.663, 264.805)

Have a look what the booklet for
CIELCh(46, 38.663, 264.805)
contains.

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Color

CIELCh(46, 38.636, 264.765)

Conversions

Conversions Part 1

Format	Color
Hex	1772AD
RGB	23, 114, 173
RGB Percent	9%, 45%, 68%
CMY	0.9086, 0.5525, 0.3211
CMYK	0.87, 0.34, 0.00, 0.32
HSL	204°, 76%, 39%
HSV	204°, 87%, 68%
XYZ	13.9457, 15.2687, 41.8126
YIQ	93.5170, -73.1750, -0.9430

Conversions

Conversions Part 2

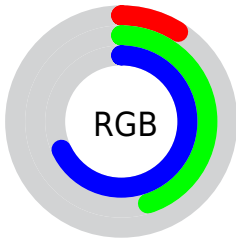
Format	Color
R_{YB}	23, 80, 173
Decimal	1536685
CIE _{Lab}	46.00, -3.53, -38.47
CIE _{LCh}	46, 38.636, 264.765
Yxy	15.2687, 0.1963, 0.2150
Android (android.graphics.Color)	4279726765 (0xFF1772AD)
YUV	93.5170, 39.1851, -61.8434
Hunter-Lab	39.0751, -4.6761, -36.0910

Details

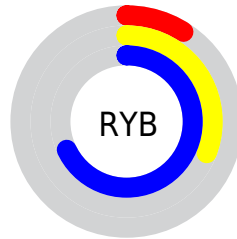
The CIELCh color **46, 38.636, 264.765** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **46, 58.996, 55.118**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 38.582, 264.422**, and **28, 35.536, 275.720** is the 20% darker color. If you saturate the color by 10%, you get **44, 42.122, 269.604**, and if you desaturate by 10%, it is **48, 35.096, 260.369**.

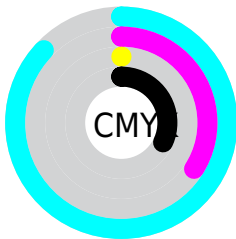
Distribution



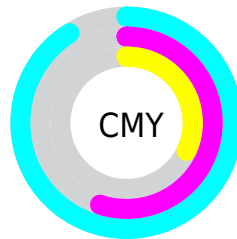
- Red (9%)
- Green (45%)
- Blue (68%)



- Red (9%)
- Yellow (31%)
- Blue (68%)



- Cyan (87%)
- Magenta (34%)
- Yellow (0%)
- Black (32%)




- Cyan (91%)
- Magenta (55%)
- Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 38.636, 264.765 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, 38.636, 264.765 by changing the saturation by 10% instead.


 46, 38.636,
264.765


 46, 38.636,
264.765


 100, 38.636,
264.765


 36, 38.636,
264.765

 66, 38.636,
264.765


 26, 38.636,
264.765

 76, 38.636,
264.765

 16, 38.636,
264.765

 86, 38.636,
264.765

 6, 38.636, 264.765

 96, 38.636,
264.765

 0, 38.636, 264.765

 46, 38.636,

 46, 38.636,

264.765

■ 44, 42.122,
269.604

■ 43, 43.371,
271.226

264.765

■ 48, 35.096,
260.369

■ 51, 31.376,
256.546

■ 54, 27.397,
253.311

■ 57, 23.128,
250.620

■ 60, 18.571,
248.404

■ 63, 13.755,
246.589

■ 66, 8.717, 245.111

■ 69, 3.498, 243.949

Harmonies

Complementary

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



46, 38.636, 264.765



46, 58.996, 55.118

Rectangle

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



46, 38.636, 264.765



46, 38.636, 314.765



46, 38.636, 84.765



46, 38.636, 134.765

Sweetspot

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



46, 38.635, 264.766



79, 16.641, 246.575



62, 67.737, 146.863



41, 11.197, 247.139



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



46, 38.635, 264.766



55, 53.368, 272.184



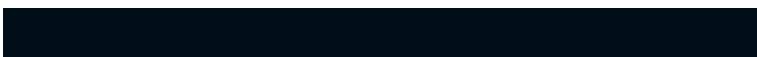
26, 83.257, 301.825



35, 3.019, 244.232



37, 38.772, 270.600



3, 6.793, 254.304

Inverse Universe

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



39, 63.985, 348.735



49, 79.386, 352.795



64, 63.729, 95.967



34, 4.996, 338.995



32, 59.289, 351.838



2, 9.778, 343.097

Previews

White Background



This preview shows how the CIE LCh color 46, 38.636, 264.765 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, 38.636, 264.765 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, 38.636, 264.765

Background



This preview shows how black text looks on a background with the CIELCh color 46, 38.636, 264.765.

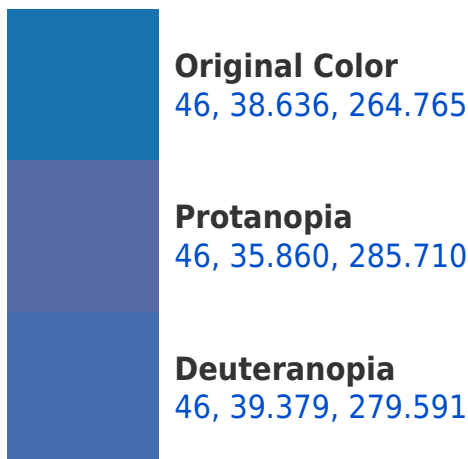


This preview shows how white text looks on a background with the CIELCh color 46, 38.636, 264.765.

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, 38.636, 264.765

Protanomaly
45, 36.970, 275.640

Deuteranomaly
46, 39.183, 273.244

Monochromacy



Original Color
46, 38.636, 264.765

Achromatopsia
40, 0.006, 296.813

Achromatomaly
41, 17.009, 250.698

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 38.636, 264.765 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(23, 114, 173)` looks like.

```
.text, #text, p{  
    color:rgb(23, 114, 173)  
}
```

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(23, 114, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 114, 173) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 38.636, 264.765 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(23, 114, 173) }
```

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

```
.border{ border-color:rgb(23, 114, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 114, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 114, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 114, 173);  
box-shadow:4px 4px 4px 4px rgb(23, 114,  
173) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 38.636, 264.765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 114, 173) }
```

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

```
.background{ background-color: rgb(23, 114,  
173) }
```

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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