

Converting Colors

CIELCh(46, 73.806, 290.416)

Have a look what the booklet for
CIELCh(46, 73.806, 290.416)
contains.

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Color

CIELCh(46, 73.847, 290.357)

Conversions

Conversions Part 1

Format	Color
Hex	1F66E3
RGB	31, 102, 227
RGB Percent	12%, 40%, 89%
CMY	0.8776, 0.6011, 0.1111
CMYK	0.86, 0.55, 0.00, 0.11
HSL	218°, 78%, 51%
HSV	218°, 86%, 89%
XYZ	19.1127, 15.2687, 74.3669
YIQ	95.0210, -82.4410, 23.8230

Conversions

Conversions Part 2

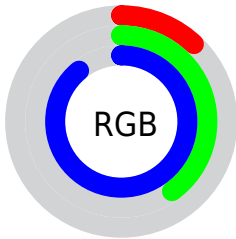
Format	Color
R_{YB}	31, 83, 227
Decimal	2057955
CIE Lab	46.00, 25.69, -69.23
CIE LCh	46, 73.847, 290.357
Yxy	15.2687, 0.1758, 0.1404
Android (android.graphics.Color)	4280248035 (0xFF1F66E3)
YUV	95.0210, 65.0656, -56.1464
Hunter-Lab	39.0751, 18.9276, -85.4868

Details

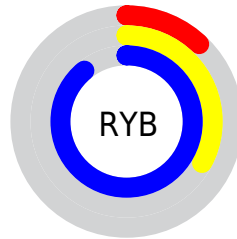
The CIELCh color **46, 73.847, 290.357** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **70, 70.470, 76.057**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 57.594, 286.011**, and **29, 72.071, 296.389** is the 20% darker color. If you saturate the color by 10%, you get **42, 83.238, 294.164**, and if you desaturate by 10%, it is **51, 64.599, 286.609**.

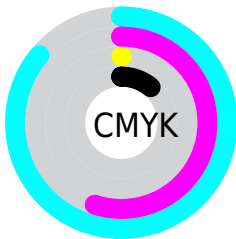
Distribution



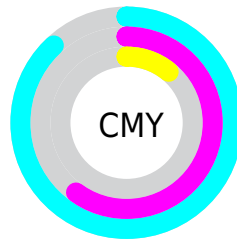
- Red (12%)
- Green (40%)
- Blue (89%)



- Red (12%)
- Yellow (33%)
- Blue (89%)



- Cyan (86%)
- Magenta (55%)
- Yellow (0%)
- Black (11%)





- Cyan (88%)
- Magenta (60%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 73.847, 290.357 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, 73.847, 290.357 by changing the saturation by 10% instead.


 46, 73.847,
290.357


 46, 73.847,
290.357


 100, 73.847,
290.357


 36, 73.847,
290.357

 66, 73.847,
290.357


 26, 73.847,
290.357

 76, 73.847,
290.357

 16, 73.847,
290.357

 86, 73.847,
290.357

 6, 73.847, 290.357

 96, 73.847,
290.357

 0, 73.847, 290.357

 46, 73.847,

 46, 73.847,

290.357

■ 42, 83.238,
294.164

■ 40, 86.785,
295.509

290.357

■ 51, 64.599,
286.609

■ 55, 55.590,
283.113

■ 60, 46.807,
279.979

■ 66, 38.208,
277.241

■ 71, 29.750,
274.886

■ 76, 21.408,
272.877

■ 81, 13.167,
271.168

■ 87, 5.027, 269.736

Harmonies

Complementary

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



46, 73.847, 290.357



70, 70.470, 76.057

Rectangle

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



46, 73.847, 290.357



46, 73.847, 340.357



46, 73.847, 110.357



46, 73.847, 160.357

Sweetspot

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



46, 73.847, 290.358



85, 23.350, 272.866



80, 65.158, 159.684



43, 15.861, 273.530



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, 73.847, 290.358



45, 95.527, 295.759



33, 112.665, 306.042



44, 4.553, 270.163



31, 70.552, 294.859



6, 23.290, 285.208

Inverse Universe

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



50, 74.013, 9.304



54, 85.965, 16.660



86, 85.914, 110.494



44, 5.268, 352.719



37, 64.770, 15.241



6, 25.520, 4.217

Previews

White Background



This preview shows how the CIE LCh color 46, 73.847, 290.357 looks on a white background.

Color Contrast Check

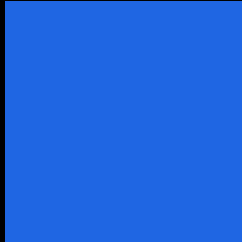
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 46, 73.847, 290.357 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

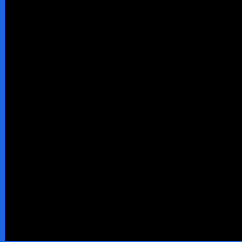
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 73.847, 290.357

Background



This preview shows how black text looks on a background with the CIELCh color 46, 73.847, 290.357.



This preview shows how white text looks on a background with the CIELCh color 46, 73.847, 290.357.

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



Original Color


46, 73.858, 290.300

Protanopia

46, 69.543, 287.370

Deuteranopia

46, 49.357, 274.996



Tritanopia
46, 27.787, 206.603

Trichromacy



Original Color
46, 73.858, 290.300

Protanomaly
46, 71.201, 288.428

Deuteranomaly
46, 57.805, 281.754

Tritanomaly
45, 35.399, 258.366

Monochromacy



Original Color
46, 73.858, 290.300

Achromatopsia
40, 0.006, 296.813

Achromatomaly
41, 28.566, 278.383

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 73.847, 290.357 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(31, 102, 227)` looks like.

```
.text, #text, p{  
    color:rgb(31, 102, 227)  
}
```

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(31, 102, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 102, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 73.847, 290.357 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(31, 102, 227) }
```

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

```
.border{ border-color:rgb(31, 102, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 102, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 102, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 102, 227);  
box-shadow:4px 4px 4px 4px rgb(31, 102,  
227) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 73.847, 290.357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 102, 227) }
```

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

```
.background{ background-color: rgb(31, 102,  
227) }
```

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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