

Converting Colors

CIELCh(46, 67.234, 287.134)

Have a look what the booklet for
CIELCh(46, 67.234, 287.134)
contains.

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Color

CIELCh(46, 67.140, 287.061)

Conversions

Conversions Part 1

Format	Color
Hex	1569DA
RGB	21, 105, 218
RGB Percent	8%, 41%, 85%
CMY	0.9167, 0.5891, 0.1461
CMYK	0.90, 0.52, 0.00, 0.15
HSL	214°, 82%, 47%
HSV	214°, 90%, 85%
XYZ	17.9639, 15.2687, 68.1526
YIQ	92.7660, -86.3370, 17.3350

Conversions

Conversions Part 2

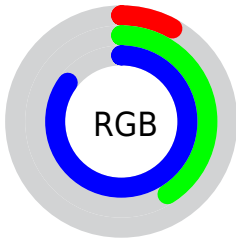
Format	Color
RYB	21, 80, 218
Decimal	1403354
CIELab	46.00, 19.70, -64.19
CIELCh	46, 67.140, 287.061
Yxy	15.2687, 0.1772, 0.1506
Android (android.graphics.Color)	4279593434 (0xFF1569DA)
YUV	92.7660, 61.7404, -62.9388
Hunter-Lab	39.0751, 13.6796, -76.0576

Details

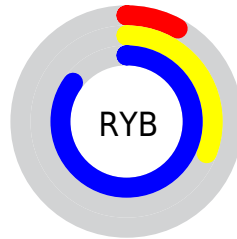
The CIELCh color **46, 67.140, 287.061** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **63, 70.082, 69.343**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 56.129, 283.347**, and **29, 65.541, 294.391** is the 20% darker color. If you saturate the color by 10%, you get **42, 74.944, 291.043**, and if you desaturate by 10%, it is **50, 59.341, 282.963**.

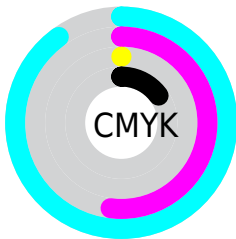
Distribution



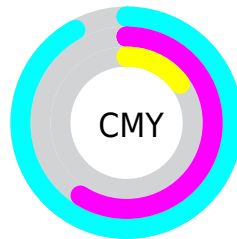
- Red (8%)
- Green (41%)
- Blue (85%)



- Red (8%)
- Yellow (31%)
- Blue (85%)



- Cyan (90%)
- Magenta (52%)
- Yellow (0%)
- Black (15%)





- Cyan (92%)
- Magenta (59%)
- Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 67.140, 287.061 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, 67.140, 287.061 by changing the saturation by 10% instead.


 46, 67.140,
287.061


 46, 67.140,
287.061


 100, 67.140,
287.061


 36, 67.140,
287.061

 66, 67.140,
287.061


 26, 67.140,
287.061

 76, 67.140,
287.061

 16, 67.140,
287.061

 86, 67.140,
287.061

 6, 67.140, 287.061

 96, 67.140,
287.061

 0, 67.140, 287.061

 46, 67.140,

 46, 67.140,

287.061

287.061

■ 42, 74.944,
291.043

■ 50, 59.341,
282.963

■ 54, 51.739,
279.131

■ 59, 44.278,
275.690

■ 63, 36.893,
272.684

■ 68, 29.537,
270.104

■ 72, 22.189,
267.910

■ 77, 14.843,
266.052

■ 82, 7.506, 264.489

Harmonies

Complementary

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



46, 67.140, 287.061



63, 70.082, 69.343

Rectangle

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



46, 67.140, 287.061



46, 67.140, 337.061



46, 67.140, 107.061



46, 67.140, 157.061

Sweetspot

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



46, 67.140, 287.063



85, 22.509, 267.318



77, 69.768, 154.691



43, 15.170, 267.998



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, 67.140, 287.063



50, 85.242, 291.427



29, 113.128, 305.823



44, 4.181, 264.375



34, 62.208, 290.371



6, 20.224, 280.113

Inverse Universe

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



48, 73.030, 5.248



54, 84.631, 10.331



83, 84.130, 106.856



43, 5.371, 348.682



37, 63.287, 8.966



6, 24.449, 359.602

Previews

White Background



This preview shows how the CIE LCh color 46, 67.140, 287.061 looks on a white background.

Color Contrast Check

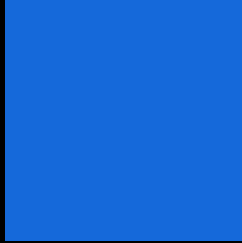
Large Text (above 18pt) WCAG AA ✓ Pass

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, 67.140, 287.061 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

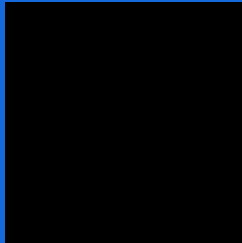
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

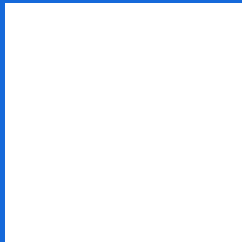
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 67.140, 287.061

Background



This preview shows how black text looks on a background with the CIELCh color 46, 67.140, 287.061.



This preview shows how white text looks on a background with the CIELCh color 46, 67.140, 287.061.

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, 67.149, 287.014

Protanopia

46, 67.121, 287.716

Deuteranopia

46, 49.873, 275.406

Trichromacy



Original Color
46, 67.149, 287.014

Protanomaly
46, 67.155, 287.535

Deuteranomaly
46, 55.640, 280.188

Monochromacy



Original Color
46, 67.149, 287.014

Achromatopsia
39, 0.006, 296.813

Achromatomaly
41, 26.139, 272.780

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 67.140, 287.061 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(21, 105, 218)` looks like.

```
.text, #text, p{  
    color:rgb(21, 105, 218)  
}
```

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(21, 105, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 105, 218) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 67.140, 287.061 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(21, 105, 218) }
```

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

```
.border{ border-color:rgb(21, 105, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 105, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 105, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 105, 218);  
box-shadow:4px 4px 4px 4px rgb(21, 105,  
218) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 67.140, 287.061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 105, 218) }
```

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

```
.background{ background-color: rgb(21, 105,  
218) }
```

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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