

Converting Colors

CIELCh(38, 79.112, 269.308)

Have a look what the booklet for
CIELCh(38, 79.112, 269.308)
contains.

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Color

CIELCh(45, 72.036, 288.919)

Conversions

Conversions Part 1

Format	Color
Hex	0465DE
RGB	4, 101, 222
RGB Percent	2%, 40%, 87%
CMY	0.9827, 0.6051, 0.1301
CMYK	0.98, 0.55, 0.00, 0.13
HSL	213°, 96%, 44%
HSV	213°, 98%, 87%
XYZ	17.8416, 14.5417, 70.8586
YIQ	85.7910, -96.6530, 17.0670

Conversions

Conversions Part 2

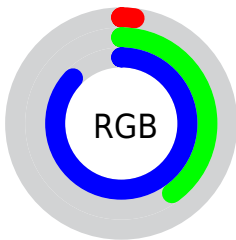
Format	Color
R _Y B	4, 71, 222
Decimal	288222
CIE Lab	45.00, 23.36, -68.14
CIE LCh	45, 72.036, 288.919
Yxy	14.5417, 0.1728, 0.1409
Android (android.graphics.Color)	4278478302 (0xFF0465DE)
YUV	85.7910, 67.1510, -71.7307
Hunter-Lab	38.1336, 16.7814, -83.4772

Details

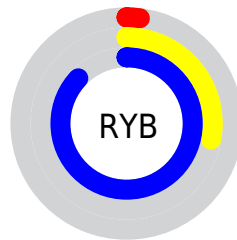
The CIELCh color **45, 72.036, 288.919** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **62, 74.532, 65.575**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 58.399, 284.807**, and **28, 69.888, 296.076** is the 20% darker color. If you saturate the color by 10%, you get **44, 73.606, 289.717**, and if you desaturate by 10%, it is **49, 64.304, 284.674**.

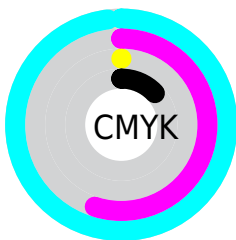
Distribution



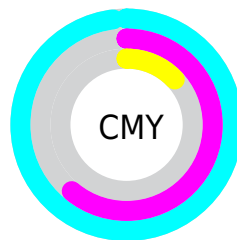
- Red (2%)
- Green (40%)
- Blue (87%)



- Red (2%)
- Yellow (28%)
- Blue (87%)



- Cyan (98%)
- Magenta (55%)
- Yellow (0%)
- Black (13%)





- Cyan (98%)
- Magenta (61%)
- Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 72.036, 288.919 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 45, 72.036, 288.919 by changing the saturation by 10% instead.


 45, 72.036,
288.919


 45, 72.036,
288.919


 100, 72.036,
288.919


 35, 72.036,
288.919

 65, 72.036,
288.919


 25, 72.036,
288.919

 75, 72.036,
288.919

 15, 72.036,
288.919

 85, 72.036,
288.919

 5, 72.036, 288.919

 95, 72.036,
288.919

 0, 72.036, 288.919

 45, 72.036,

 45, 72.036,

288.919

288.919

■ 44, 73.606,
289.717

■ 49, 64.304,
284.674

■ 53, 56.785,
280.535

■ 57, 49.435,
276.720

■ 61, 42.179,
273.330

■ 66, 34.952,
270.391

■ 70, 27.714,
267.882

■ 75, 20.448,
265.756

■ 80, 13.158,
263.961

Harmonies

Complementary

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



45, 72.036, 288.919



62, 74.532, 65.575

Rectangle

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



45, 72.036, 288.919



45, 72.036, 338.919



45, 72.036, 108.919



45, 72.036, 158.919

Sweetspot

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



45, 72.036, 288.921



85, 23.701, 265.996



78, 75.570, 151.944



43, 16.255, 266.884



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



45, 72.036, 288.921



51, 82.452, 290.062



28, 119.286, 306.270



44, 4.111, 262.657



35, 60.185, 288.975



6, 19.733, 278.818

Inverse Universe

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



48, 75.657, 7.225



55, 84.481, 8.579



85, 87.026, 105.953



43, 5.431, 347.632



37, 63.229, 7.256



6, 24.572, 358.444

Previews

White Background



This preview shows how the CIE LCh color 45, 72.036, 288.919 looks on a white background.

Color Contrast Check

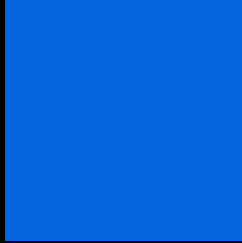
Large Text (above 18pt) WCAG AA ✓ Pass

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 45, 72.036, 288.919 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

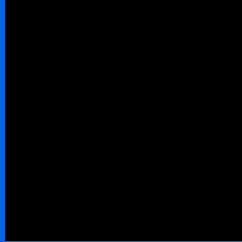
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

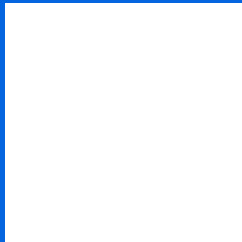
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 72.036, 288.919

Background



This preview shows how black text looks on a background with the CIELCh color 45, 72.036, 288.919.



This preview shows how white text looks on a background with the CIELCh color 45, 72.036, 288.919.

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

45, 71.937, 288.826

Protanopia

45, 68.590, 287.367

Deuteranopia

45, 48.353, 274.691



Tritanopia
45, 27.517, 205.432

Trichromacy



Original Color
45, 71.937, 288.826

Protanomaly
45, 69.677, 287.821

Deuteranomaly
45, 56.883, 281.311

Tritanomaly
44, 34.332, 255.648

Monochromacy



Original Color
45, 71.937, 288.826

Achromatopsia
37, 0.005, 296.813

Achromatomaly
38, 28.380, 272.794

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 72.036, 288.919 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(4, 101, 222)` looks like.

```
.text, #text, p{  
    color:rgb(4, 101, 222)  
}
```

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(4, 101, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 101, 222) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 72.036, 288.919 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(4, 101, 222) }
```

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

```
.border{ border-color:rgb(4, 101, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 101, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 101, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 101, 222);  
box-shadow:4px 4px 4px 4px rgb(4, 101,  
222) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 72.036, 288.919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 101, 222) }
```

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

```
.background{ background-color: rgb(4, 101,  
222) }
```

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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