

Converting Colors

CIELCh(36, 89.205, 265.787)

Have a look what the booklet for
CIELCh(36, 89.205, 265.787)
contains.

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Color

CIELCh(45, 78.696, 291.087)

Conversions

Conversions Part 1

Format	Color
Hex	0062E7
RGB	0, 98, 231
RGB Percent	0%, 38%, 91%
CMY	1.0000, 0.6145, 0.0935
CMYK	1.00, 0.57, 0.00, 0.09
HSL	214°, 100%, 45%
HSV	214°, 100%, 91%
XYZ	18.7846, 14.5417, 77.5361
YIQ	83.8600, -101.1010, 20.5870

Conversions

Conversions Part 2

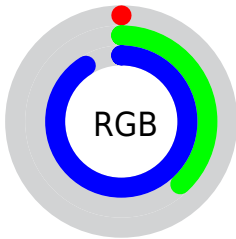
Format	Color
RYB	0, 69, 231
Decimal	25319
CIELab	45.00, 28.31, -73.43
CIELCh	45, 78.696, 291.087
Yxy	14.5417, 0.1694, 0.1312
Android (android.graphics.Color)	4278215399 (0xFF0062E7)
YUV	83.8600, 72.5400, -73.5452
Hunter-Lab	38.1336, 21.1954, -93.8594

Details

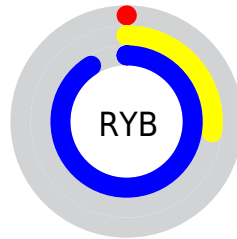
The CIELCh color **45, 78.696, 291.087** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed azure. A complement of this color would be **65, 77.364, 66.526**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 60.027, 286.521**, and **28, 76.418, 297.971** is the 20% darker color. If you saturate the color by 10%, you get **45, 78.674, 291.187**, and if you desaturate by 10%, it is **49, 70.274, 287.082**.

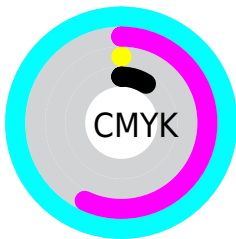
Distribution



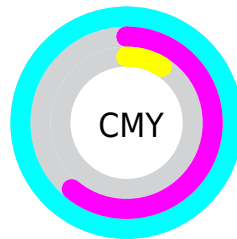
- Red (0%)
- Green (38%)
- Blue (91%)



- Red (0%)
- Yellow (27%)
- Blue (91%)



- Cyan (100%)
- Magenta (57%)
- Yellow (0%)
- Black (9%)




- Cyan (100%)
- Magenta (61%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 78.696, 291.087 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, 78.696, 291.087 by changing the saturation by 10% instead.


 45, 78.696,
291.087


 45, 78.696,
291.087


 100, 78.696,
291.087


 35, 78.696,
291.087

 65, 78.696,
291.087


 25, 78.696,
291.087

 75, 78.696,
291.087

 15, 78.696,
291.087

 85, 78.696,
291.087

 5, 78.696, 291.087

 95, 78.696,
291.087

 0, 78.696, 291.087

 45, 78.696,

 45, 78.696,

291.087

■ 45, 78.674,
291.187

291.087

■ 49, 70.274,
287.082

■ 53, 62.088,
282.967

■ 57, 54.110,
279.120

■ 62, 46.280,
275.667

■ 67, 38.529,
272.653

■ 72, 30.810,
270.067

■ 77, 23.097,
267.870

■ 82, 15.387,
266.011

Harmonies

Complementary

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



45, 78.696, 291.087



65, 77.364, 66.526

Rectangle

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



45, 78.696, 291.087



45, 78.696, 341.087



45, 78.696, 111.087



45, 78.696, 161.087

Sweetspot

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



45, 78.674, 291.187



84, 25.011, 267.903



81, 77.482, 152.395



42, 17.067, 268.792



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, 78.674, 291.187



50, 85.224, 291.419



29, 123.923, 306.444



45, 4.340, 264.370



35, 63.690, 290.456



7, 22.432, 282.302

Inverse Universe

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



49, 78.544, 10.016



54, 84.630, 10.320



88, 90.285, 107.012



45, 5.577, 348.680



38, 64.667, 9.074



7, 27.037, 0.524

Previews

White Background



This preview shows how the CIE LCh color 45, 78.696, 291.087 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, 78.696, 291.087 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

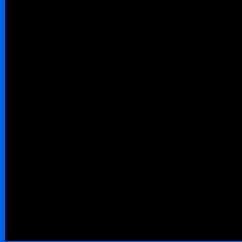
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 78.696, 291.087

Background



This preview shows how black text looks on a background with the CIELCh color 45, 78.696, 291.087.



This preview shows how white text looks on a background with the CIELCh color 45, 78.696, 291.087.

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, 78.782, 291.264

Protanopia

45, 68.590, 287.367

Deuteranopia

45, 47.838, 274.260



Tritanopia
45, 27.517, 205.432

Trichromacy



Original Color
45, 78.782, 291.264

Protanomaly
45, 71.958, 288.726

Deuteranomaly
45, 58.567, 282.359

Tritanomaly
44, 36.395, 259.809

Monochromacy



Original Color
45, 78.782, 291.264

Achromatopsia
36, 0.005, 296.813

Achromatomaly
37, 31.285, 275.604

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 78.696, 291.087 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(0, 98, 231)` looks like.

```
.text, #text, p{  
    color:rgb(0, 98, 231)  
}
```

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(0, 98, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 98, 231) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 78.696, 291.087 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(0, 98, 231) }
```

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

```
.border{ border-color:rgb(0, 98, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 98, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 98, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 98, 231);  
box-shadow:4px 4px 4px 4px rgb(0, 98, 231)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 45, 78.696, 291.087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 98, 231) }
```

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

```
.background{ background-color: rgb(0, 98,  
231) }
```

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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