

Converting Colors

CIELCh(45, 78.651, 292.093)

Have a look what the booklet for
CIELCh(45, 78.651, 292.093)
contains.

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Color

CIELCh(45, 78.710, 292.167)

Conversions

Conversions Part 1

Format	Color
Hex	1B61E6
RGB	27, 97, 230
RGB Percent	11%, 38%, 90%
CMY	0.8952, 0.6188, 0.0971
CMYK	0.88, 0.58, 0.00, 0.10
HSL	219°, 80%, 50%
HSV	219°, 88%, 90%
XYZ	19.0537, 14.5417, 76.8430
YIQ	91.2320, -84.4130, 26.5230

Conversions

Conversions Part 2

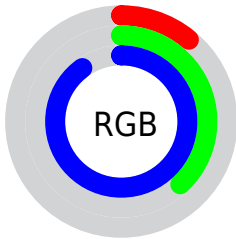
Format	Color
R _Y B	27, 79, 230
Decimal	1794534
CIE Lab	45.00, 29.70, -72.89
CIE LCh	45, 78.710, 292.167
Yxy	14.5417, 0.1725, 0.1317
Android (android.graphics.Color)	4279984614 (0xFF1B61E6)
YUV	91.2320, 68.4126, -56.3315
Hunter-Lab	38.1336, 22.4550, -92.7818

Details

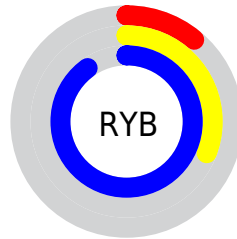
The CIELCh color **45, 78.710, 292.167** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed azure. A complement of this color would be **71, 72.594, 76.858**, and the grayscale version is **39, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 60.439, 288.147**, and **28, 76.515, 298.159** is the 20% darker color. If you saturate the color by 10%, you get **41, 88.456, 295.847**, and if you desaturate by 10%, it is **50, 69.025, 288.450**.

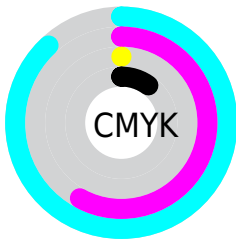
Distribution



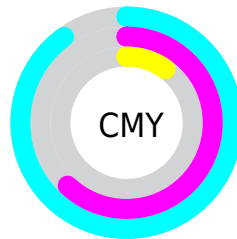
- Red (11%)
- Green (38%)
- Blue (90%)



- Red (11%)
- Yellow (31%)
- Blue (90%)



- Cyan (88%)
- Magenta (58%)
- Yellow (0%)
- Black (10%)




- Cyan (90%)
- Magenta (62%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 78.710, 292.167 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, 78.710, 292.167 by changing the saturation by 10% instead.


 45, 78.710,
292.167


 45, 78.710,
292.167


 100, 78.710,
292.167


 35, 78.710,
292.167

 65, 78.710,
292.167


 25, 78.710,
292.167

 75, 78.710,
292.167

 15, 78.710,
292.167

 85, 78.710,
292.167

 5, 78.710, 292.167

 95, 78.710,
292.167

 0, 78.710, 292.167

 45, 78.710,

 45, 78.710,

292.167

■ 41, 88.456,
295.847

■ 40, 90.011,
296.391

292.167

■ 50, 69.025,
288.450

■ 54, 59.567,
284.933

■ 60, 50.363,
281.747

■ 65, 41.380,
278.947

■ 70, 32.576,
276.529

■ 76, 23.917,
274.462

■ 81, 15.387,
272.701

■ 87, 6.977, 271.213

Harmonies

Complementary

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



45, 78.710, 292.167



71, 72.594, 76.858

Rectangle

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



45, 78.710, 292.167



45, 78.710, 342.167



45, 78.710, 112.167



45, 78.710, 162.167

Sweetspot

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



45, 78.710, 292.168



84, 24.684, 274.227



82, 65.665, 160.340



43, 16.673, 274.886



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, 78.710, 292.168



45, 97.816, 296.600



33, 115.807, 306.387



45, 4.711, 271.357



31, 73.109, 295.766



6, 25.066, 287.146

Inverse Universe

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



50, 75.931, 11.627



54, 86.427, 18.043



87, 88.080, 111.442



45, 5.323, 353.666



38, 65.780, 16.672



7, 26.732, 5.784

Previews

White Background



This preview shows how the CIE LCh color 45, 78.710, 292.167 looks on a white background.

Color Contrast Check

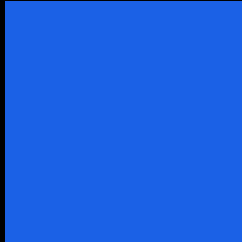
Large Text (above 18pt) WCAG AA ✓ Pass

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 45, 78.710, 292.167 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

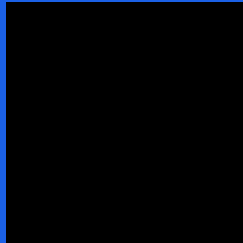
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 78.710, 292.167

Background



This preview shows how black text looks on a background with the CIELCh color 45, 78.710, 292.167.



This preview shows how white text looks on a background with the CIELCh color 45, 78.710, 292.167.

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, 78.701, 292.211

Protanopia

45, 68.040, 287.161

Deuteranopia

45, 48.366, 274.962



Tritanopia
45, 27.277, 206.844

Trichromacy



Original Color
45, 78.701, 292.211

Protanomaly
45, 71.984, 289.170

Deuteranomaly
45, 59.087, 283.223

Tritanomaly
44, 36.118, 260.802

Monochromacy



Original Color
45, 78.701, 292.211

Achromatopsia
39, 0.005, 296.813

Achromatomaly
40, 30.460, 280.099

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 78.710, 292.167 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(27, 97, 230)` looks like.

```
.text, #text, p{  
    color:rgb(27, 97, 230)  
}
```

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(27, 97, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 97, 230) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 78.710, 292.167 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(27, 97, 230) }
```

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

```
.border{ border-color:rgb(27, 97, 230) }
```

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

Here you see how a box with a 4 pixel rgb(27, 97, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 97, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 97, 230);  
box-shadow:4px 4px 4px 4px rgb(27, 97,  
230) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 78.710, 292.167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 97, 230) }
```

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

```
.background{ background-color: rgb(27, 97,  
230) }
```

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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