

Converting Colors

CIELCh(45, 76.054, 291.590)

Have a look what the booklet for
CIELCh(45, 76.054, 291.590)
contains.

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Color

CIELCh(45, 75.830, 291.518)

Conversions

Conversions Part 1

Format	Color
Hex	1F62E2
RGB	31, 98, 226
RGB Percent	12%, 38%, 89%
CMY	0.8774, 0.6154, 0.1133
CMYK	0.86, 0.57, 0.00, 0.11
HSL	219°, 77%, 50%
HSV	219°, 86%, 89%
XYZ	18.6881, 14.5417, 73.8437
YIQ	92.5590, -81.0200, 25.6040

Conversions

Conversions Part 2

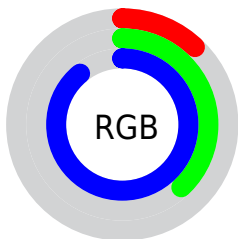
Format	Color
R_{YB}	31, 81, 226
Decimal	2056930
CIE _{Lab}	45.00, 27.81, -70.54
CIE _{LCh}	45, 75.830, 291.518
Yxy	14.5417, 0.1745, 0.1358
Android (android.graphics.Color)	4280247010 (0xFF1F62E2)
YUV	92.5590, 65.7864, -53.9872
Hunter-Lab	38.1336, 20.7435, -88.1184

Details

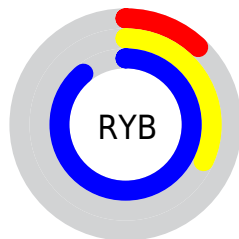
The CIELCh color **45, 75.830, 291.518** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed azure. A complement of this color would be **70, 70.539, 77.655**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **63, 59.864, 287.735**, and **28, 74.172, 297.541** is the 20% darker color. If you saturate the color by 10%, you get **41, 85.493, 295.223**, and if you desaturate by 10%, it is **50, 66.268, 287.850**.

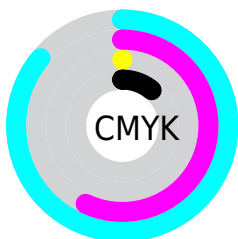
Distribution



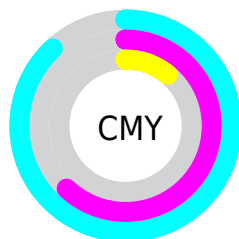
- Red (12%)
- Green (38%)
- Blue (89%)



- Red (12%)
- Yellow (32%)
- Blue (89%)



- Cyan (86%)
- Magenta (57%)
- Yellow (0%)
- Black (11%)





- Cyan (88%)
- Magenta (62%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 75.830, 291.518 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, 75.830, 291.518 by changing the saturation by 10% instead.


 45, 75.830,
291.518


 45, 75.830,
291.518


 100, 75.830,
291.518


 35, 75.830,
291.518

 65, 75.830,
291.518


 25, 75.830,
291.518

 75, 75.830,
291.518

 15, 75.830,
291.518

 85, 75.830,
291.518

 5, 75.830, 291.518

 95, 75.830,
291.518

 0, 75.830, 291.518

 45, 75.830,

 45, 75.830,

291.518

■ 41, 85.493,
295.223

■ 39, 89.165,
296.541

291.518

■ 50, 66.268,
287.850

■ 54, 56.944,
284.414

■ 60, 47.870,
281.326

■ 65, 39.010,
278.623

■ 70, 30.322,
276.295

■ 76, 21.779,
274.306

■ 81, 13.364,
272.613

■ 87, 5.071, 271.192

Harmonies

Complementary

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



45, 75.830, 291.518



70, 70.539, 77.655

Rectangle

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



45, 75.830, 291.518



45, 75.830, 341.518



45, 75.830, 111.518



45, 75.830, 161.518

Sweetspot

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



45, 75.830, 291.519



84, 23.847, 274.305



80, 63.813, 160.830



43, 16.207, 274.963



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, 75.830, 291.519



44, 98.340, 296.788



33, 112.201, 306.216



44, 4.641, 271.623



30, 72.643, 295.919



5, 23.794, 286.109

Inverse Universe

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



50, 73.972, 10.837



54, 86.542, 18.359



85, 85.939, 111.379



44, 5.216, 353.883



37, 65.141, 16.920



6, 25.461, 5.278

Previews

White Background



This preview shows how the CIE LCh color 45, 75.830, 291.518 looks on a white background.

Color Contrast Check

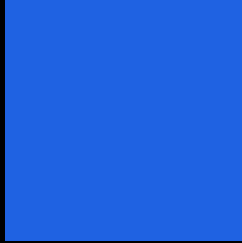
Large Text (above 18pt) WCAG AA ✓ Pass

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, 75.830, 291.518 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

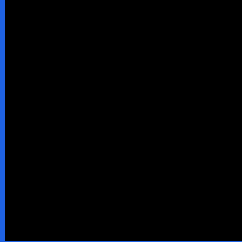
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 75.830, 291.518

Background



This preview shows how black text looks on a background with the CIELCh color 45, 75.830, 291.518.



This preview shows how white text looks on a background with the CIELCh color 45, 75.830, 291.518.

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, 75.830, 291.518

Protanopia

45, 68.040, 287.161

Deuteranopia

45, 48.366, 274.962



Tritanopia
45, 27.277, 206.844

Trichromacy



Original Color
45, 75.830, 291.518

Protanomaly
45, 70.802, 288.636

Deuteranomaly
45, 58.534, 282.984

Tritanomaly
44, 35.658, 260.123

Monochromacy



Original Color
45, 75.830, 291.518

Achromatopsia
39, 0.006, 296.813

Achromatomaly
40, 28.593, 279.085

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 75.830, 291.518 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, 98, 226)` looks like.

```
.text, #text, p{  
    color:rgb(31, 98, 226)  
}
```

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, 98, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 98, 226) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 75.830, 291.518 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, 98, 226) }
```

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

```
.border{ border-color:rgb(31, 98, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 98, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 98, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 98, 226);  
box-shadow:4px 4px 4px 4px rgb(31, 98,  
226) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 75.830, 291.518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 98, 226) }
```

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

```
.background{ background-color: rgb(31, 98,  
226) }
```

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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