

Converting Colors

CIELCh(52, 78.412, 289.159)

Have a look what the booklet for
CIELCh(52, 78.412, 289.159)
contains.

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Color

CIELCh(52, 78.693, 289.267)

Conversions

Conversions Part 1

Format	Color
Hex	1F75FD
RGB	31, 117, 253
RGB Percent	12%, 46%, 99%
CMY	0.8770, 0.5408, 0.0073
CMYK	0.88, 0.54, 0.00, 0.01
HSL	217°, 98%, 56%
HSV	217°, 88%, 99%
XYZ	24.6994, 20.1443, 95.6223
YIQ	106.7900, -94.9120, 24.0640

Conversions

Conversions Part 2

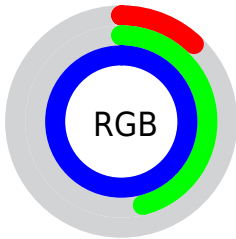
Format	Color
RYB	31, 93, 253
Decimal	2061821
CIELab	52.00, 25.97, -74.29
CIELCh	52, 78.693, 289.267
Yxy	20.1443, 0.1758, 0.1434
Android (android.graphics.Color)	4280251901 (0xFF1F75FD)
YUV	106.7900, 72.0815, -66.4678
Hunter-Lab	44.8824, 19.6865, -94.9000

Details

The CIELCh color **52, 78.693, 289.267** 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 **75, 77.456, 73.290**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 48.785, 279.277**, and **35, 76.971, 295.249** is the 20% darker color. If you saturate the color by 10%, you get **48, 88.485, 293.229**, and if you desaturate by 10%, it is **57, 69.084, 285.348**.

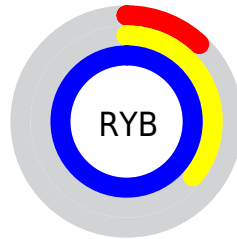
Distribution



Red (12%)

Green (46%)

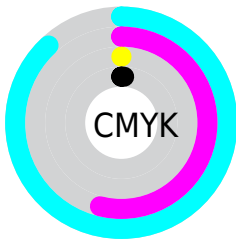
Blue (99%)



Red (12%)

Yellow (36%)

Blue (99%)

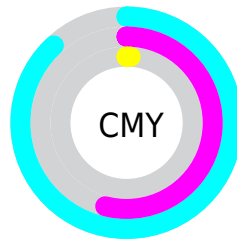


Cyan (88%)

Magenta (54%)

Yellow (0%)

Black (1%)



Cyan (88%)


Magenta (54%)

Yellow (1%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 78.693, 289.267 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 52, 78.693, 289.267 by changing the saturation by 10% instead.


 52, 78.693,
289.267


 52, 78.693,
289.267

 100, 78.693,
289.267


 42, 78.693,
289.267


 72, 78.693,
289.267

 32, 78.693,
289.267

 82, 78.693,
289.267

 22, 78.693,
289.267

 92, 78.693,
289.267

 12, 78.693,
289.267

 2, 78.693, 289.267

 0, 78.693, 289.267

■ 52, 78.693,
289.267

■ 52, 78.693,
289.267

■ 48, 88.485,
293.229

■ 57, 69.084,
285.348

■ 47, 90.844,
294.118

■ 62, 59.723,
281.684

■ 67, 50.579,
278.397

■ 72, 41.594,
275.526

■ 78, 32.717,
273.061

■ 84, 23.921,
270.961

■ 89, 15.195,
269.180

■ 95, 6.540, 267.685

100, 0.937,
110.025

Harmonies

Complementary

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



52, 78.693, 289.267



75, 77.456, 73.290

Rectangle

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



52, 78.693, 289.267



52, 78.693, 339.267



52, 78.693, 109.267



52, 78.693, 159.267

Sweetspot

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



52, 78.693, 289.269



85, 22.649, 270.656



89, 74.441, 157.119



43, 15.375, 271.328



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



52, 78.693, 289.269



47, 91.390, 294.134



36, 124.733, 305.899



50, 4.921, 267.946



35, 72.261, 293.434



9, 29.008, 287.831

Inverse Universe

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



55, 81.147, 7.867



54, 85.282, 14.138



95, 93.841, 108.709



50, 5.940, 351.073



41, 68.512, 13.108



10, 31.285, 5.931

Previews

White Background



This preview shows how the CIE LCh color 52, 78.693, 289.267 looks on a white background.

Color Contrast Check

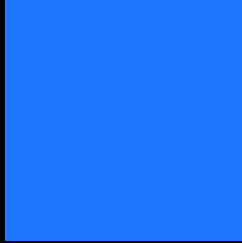
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 52, 78.693, 289.267 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

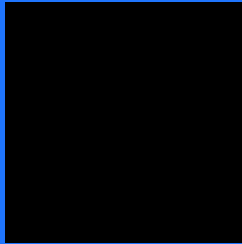
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

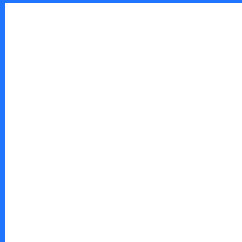
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 52, 78.693, 289.267

Background



This preview shows how black text looks on a background with the CIELCh color 52, 78.693, 289.267.



This preview shows how white text looks on a background with the CIELCh color 52, 78.693, 289.267.

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


52, 78.693, 289.267

Protanopia

52, 77.738, 287.917

Deuteranopia

52, 54.747, 275.508



Tritanopia
52, 30.642, 205.424

Trichromacy



Original Color
52, 78.693, 289.267

Protanomaly
52, 77.690, 288.128

Deuteranomaly
52, 63.023, 281.450

Tritanomaly
51, 37.694, 255.433

Monochromacy



Original Color
52, 78.693, 289.267

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 30.131, 275.208

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 78.693, 289.267 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, 117, 253)` looks like.

```
.text, #text, p{  
    color:rgb(31, 117, 253)  
}
```

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, 117, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 117, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 78.693, 289.267 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, 117, 253) }
```

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

```
.border{ border-color:rgb(31, 117, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 117, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(31, 117, 253); -webkit-box-shadow:4px 4px 4px 4px rgb(31, 117, 253); box-shadow:4px 4px 4px 4px rgb(31, 117, 253) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 78.693, 289.267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 117, 253) }
```

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

```
.background{ background-color: rgb(31, 117,  
253) }
```

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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