

Converting Colors

CIELCh(50, 75.080, 292.308)

Have a look what the booklet for
CIELCh(50, 75.080, 292.308)
contains.

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Color

CIELCh(50, 75.547, 292.486)

Conversions

Conversions Part 1

Format	Color
Hex	426DEF
RGB	66, 109, 239
RGB Percent	26%, 43%, 94%
CMY	0.7394, 0.5715, 0.0615
CMYK	0.72, 0.54, 0.00, 0.06
HSL	225°, 85%, 60%
HSV	225°, 72%, 94%
XYZ	23.4006, 18.4187, 84.2293
YIQ	110.9630, -67.3580, 31.3140

Conversions

Conversions Part 2

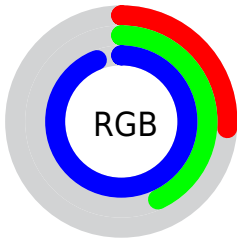
Format	Color
R _{YB}	66, 100, 239
Decimal	4353519
CIE _{Lab}	50.00, 28.89, -69.80
CIE _{LCh}	50, 75.547, 292.486
Y _{xy}	18.4187, 0.1856, 0.1461
Android (android.graphics.Color)	4282543599 (0xFF426DEF)
YUV	110.9630, 63.1222, -39.4326
Hunter-Lab	42.9170, 22.2229, -86.3214

Details

The CIELCh color **50, 75.547, 292.486** is a dark color, and the websafe version is hex **3366FF**. The color can be described as middle muted azure. A complement of this color would be **81, 67.500, 88.009**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 52.473, 287.747**, and **32, 74.299, 295.828** is the 20% darker color. If you saturate the color by 10%, you get **45, 87.231, 295.716**, and if you desaturate by 10%, it is **56, 64.076, 289.445**.

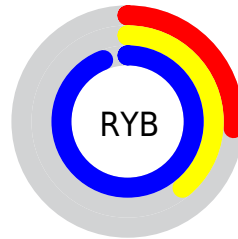
Distribution



Red (26%)

Green (43%)

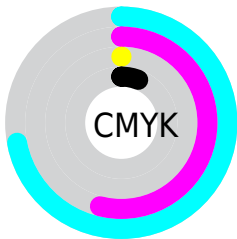
Blue (94%)



Red (26%)

Yellow (39%)

Blue (94%)

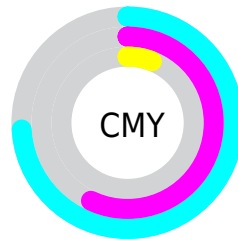


Cyan (72%)

Magenta (54%)

Yellow (0%)

Black (6%)



Cyan (74%)


Magenta (57%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 75.547, 292.486 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 50, 75.547, 292.486 by changing the saturation by 10% instead.

 50, 75.547,
292.486


 50, 75.547,
292.486

 100, 75.547,
292.486


 40, 75.547,
292.486

 70, 75.547,
292.486

 30, 75.547,
292.486


 80, 75.547,
292.486

 20, 75.547,
292.486

 90, 75.547,
292.486

 10, 75.547,
292.486

 0, 75.547, 292.486

 50, 75.547,
292.486

 50, 75.547,
292.486

45, 87.231,
295.716

56, 64.076,
289.445

40, 98.729,
298.924

62, 52.953,
286.704

37, 107.077,
301.184

68, 42.190,
284.304

74, 31.756,
282.237

81, 21.618,
280.469

87, 11.748,
278.963

93, 2.127, 277.748

99, 7.106, 104.734

100, 7.938,
109.574

Harmonies

Complementary

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



50, 75.547, 292.486



81, 67.500, 88.009

Rectangle

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



50, 75.547, 292.486



50, 75.547, 342.486



50, 75.547, 112.486



50, 75.547, 162.486

Sweetspot

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



50, 75.547, 292.487



85, 22.517, 280.443



86, 53.899, 170.968



44, 15.182, 280.895



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



50, 75.547, 292.487



45, 97.699, 297.360



43, 99.959, 306.553



47, 5.446, 278.591



28, 86.402, 300.687



5, 31.182, 293.488

Inverse Universe

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



56, 69.523, 13.128



55, 83.799, 19.780



89, 82.489, 116.163



47, 5.256, 0.533



38, 70.459, 25.638



8, 28.876, 13.245

Previews

White Background



This preview shows how the CIE LCh color 50, 75.547, 292.486 looks on a white background.

Color Contrast Check

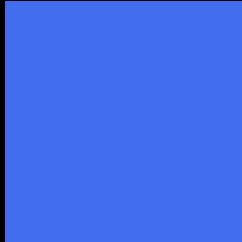
Large Text (above 18pt) WCAG AA ✓ Pass

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 50, 75.547, 292.486 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

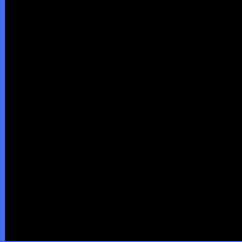
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

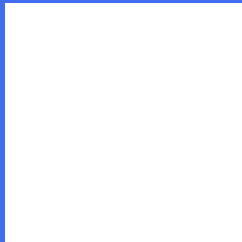
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 75.547, 292.486

Background



This preview shows how black text looks on a background with the CIELCh color 50, 75.547, 292.486.



This preview shows how white text looks on a background with the CIELCh color 50, 75.547, 292.486.

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

50, 75.547, 292.486

Protanopia

50, 74.804, 287.570

Deuteranopia

50, 53.305, 275.601



Tritanopia
50, 29.523, 208.237

Trichromacy



Original Color
50, 75.547, 292.486

Protanomaly
50, 75.350, 288.743

Deuteranomaly
50, 61.035, 282.232

Tritanomaly
49, 36.840, 258.571

Monochromacy



Original Color
50, 75.547, 292.486

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 28.622, 284.142

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 75.547, 292.486 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(66, 109, 239)` looks like.

```
.text, #text, p{  
    color:rgb(66, 109, 239)  
}
```

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(66, 109, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 109, 239) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 75.547, 292.486 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(66, 109, 239) }
```

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

```
.border{ border-color:rgb(66, 109, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 109, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 109, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 109, 239);  
box-shadow:4px 4px 4px 4px rgb(66, 109,  
239) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 75.547, 292.486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 109, 239) }
```

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

```
.background{ background-color: rgb(66, 109,  
239) }
```

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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