

Converting Colors

CIELCh(50, 73.457, 301.288)

Have a look what the booklet for
CIELCh(50, 73.457, 301.288)
contains.

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Color

CIELCh(50, 73.204, 301.239)

Conversions

Conversions Part 1

Format	Color
Hex	7365E3
RGB	115, 101, 227
RGB Percent	45%, 40%, 89%
CMY	0.5501, 0.6048, 0.1109
CMYK	0.49, 0.56, 0.00, 0.11
HSL	247°, 69%, 64%
HSV	247°, 56%, 89%
XYZ	25.4920, 18.4187, 74.6866
YIQ	119.5500, -32.1020, 42.1540

Conversions

Conversions Part 2

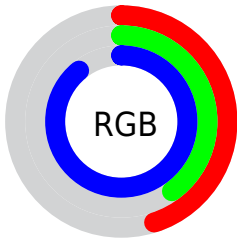
Format	Color
RYB	115, 101, 227
Decimal	7562723
CIELab	50.00, 37.96, -62.59
CIElCh	50, 73.204, 301.239
Yxy	18.4187, 0.2149, 0.1553
Android (android.graphics.Color)	4285752803 (0xFF7365E3)
YUV	119.5500, 52.9729, -3.9903
Hunter-Lab	42.9170, 30.9214, -73.1381

Details

The CIELCh color **50, 73.204, 301.239** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **87, 62.688, 110.251**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **68, 57.135, 301.771**, and **30, 73.099, 301.137** is the 20% darker color. If you saturate the color by 10%, you get **43, 87.470, 302.896**, and if you desaturate by 10%, it is **57, 58.972, 299.665**.

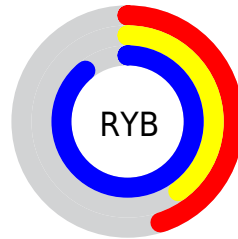
Distribution



Red (45%)

Green (40%)

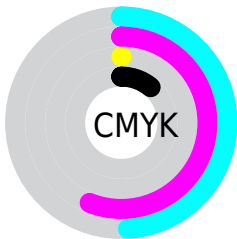
Blue (89%)



Red (45%)

Yellow (40%)

Blue (89%)

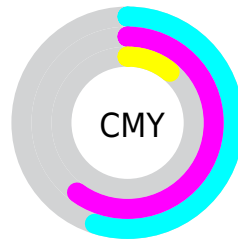


Cyan (49%)

Magenta (56%)

Yellow (0%)

Black (11%)



Cyan (55%)


Magenta (60%)


Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 73.204, 301.239 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, 73.204, 301.239 by changing the saturation by 10% instead.


 50, 73.204,
301.239


 50, 73.204,
301.239


 100, 73.204,
301.239


 40, 73.204,
301.239


 70, 73.204,
301.239

 30, 73.204,
301.239


 80, 73.204,
301.239


 20, 73.204,
301.239

 90, 73.204,
301.239

 10, 73.204,
301.239

 0, 73.204, 301.239

 50, 73.204,
301.239

 50, 73.204,
301.239

43, 87.470,
302.896

57, 58.972,
299.665

37, 100.982,
304.481

64, 45.122,
298.242

33, 112.309,
305.751

72, 31.775,
296.994

30, 119.636,
306.429

79, 18.955,
295.915

29, 121.797,
306.612

86, 6.643, 294.991

93, 5.190, 114.190

99, 14.306,
109.096

Harmonies

Complementary

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



50, 73.204, 301.239



87, 62.688, 110.251

Rectangle

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



50, 73.204, 301.239



50, 73.204, 351.239



50, 73.204, 121.239



50, 73.204, 171.239

Sweetspot

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



50, 73.204, 301.240



86, 22.856, 296.072



80, 32.808, 209.192



44, 15.350, 296.282



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, 73.204, 301.240



48, 98.470, 303.205



56, 73.982, 314.918



43, 6.779, 295.332



21, 100.660, 306.683



2, 31.815, 298.513

Inverse Universe

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



62, 71.839, 330.876



65, 91.003, 331.537



83, 69.620, 129.910



44, 7.556, 328.129



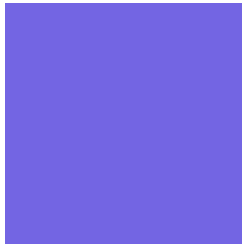
41, 80.231, 333.182



7, 33.340, 332.279

Previews

White Background



This preview shows how the CIELCh color 50, 73.204, 301.239 looks on a white background.

Color Contrast Check

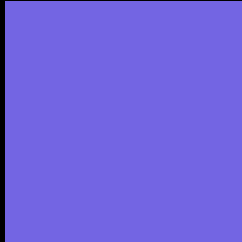
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 50, 73.204, 301.239 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

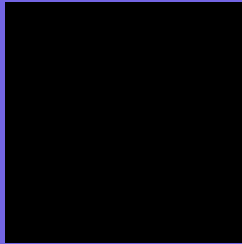
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 73.204, 301.239

Background



This preview shows how black text looks on a background with the CIELCh color 50, 73.204, 301.239.



This preview shows how white text looks on a background with the CIELCh color 50, 73.204, 301.239.

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





Tritanopia
50, 14.385, 222.345

Trichromacy



Original Color
50, 73.204, 301.239



Protanomaly
49, 74.092, 291.006



Deuteranomaly
49, 61.432, 284.509



Tritanomaly
49, 30.819, 282.833

Monochromacy



Original Color
50, 73.204, 301.239



Achromatopsia
50, 0.007, 296.813



Achromatomaly
49, 27.135, 297.258

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 73.204, 301.239 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(115, 101, 227)` looks like.

```
.text, #text, p{  
    color:rgb(115, 101, 227)  
}
```

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(115, 101, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 101, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 73.204, 301.239 is called "border". The border property can be set on classes, ids or directly on the HTML element.

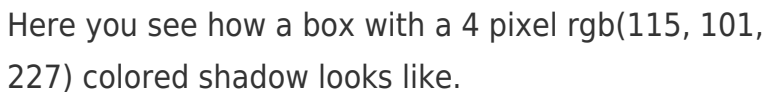
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(115, 101, 227) }
```

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

```
.border{ border-color:rgb(115, 101, 227) }
```

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



Here you see how a box with a 4 pixel `rgb(115, 101, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(115, 101, 227); -webkit-box-shadow:4px 4px 4px 4px rgb(115, 101, 227); box-shadow:4px 4px 4px 4px rgb(115, 101, 227) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 73.204, 301.239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 101, 227) }
```

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

```
.background{ background-color: rgb(115,  
101, 227) }
```

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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