

Converting Colors

CIELCh(65, 47.916, 295.121)

Have a look what the booklet for
CIELCh(65, 47.916, 295.121)
contains.

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Color

CIELCh(65, 47.843, 295.341)

Conversions

Conversions Part 1

Format	Color
Hex	9695EB
RGB	150, 149, 235
RGB Percent	59%, 58%, 92%
CMY	0.4111, 0.4151, 0.0778
CMYK	0.36, 0.37, 0.00, 0.08
HSL	241°, 68%, 75%
HSV	241°, 37%, 92%
XYZ	38.3952, 34.0472, 83.2669
YIQ	159.1030, -27.0100, 26.9580

Conversions

Conversions Part 2

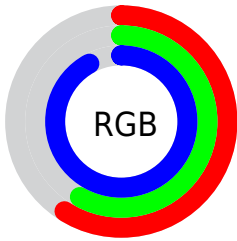
Format	Color
R_{YB}	150, 149, 235
Decimal	9868779
CIE _{Lab}	65.00, 20.48, -43.24
CIE _{LCh}	65, 47.843, 295.341
Yxy	34.0472, 0.2466, 0.2187
Android (android.graphics.Color)	4288058859 (0xFF9695EB)
YUV	159.1030, 37.4172, -7.9833
Hunter-Lab	58.3500, 15.3434, -43.7634

Details

The CIELCh color `65, 47.843, 295.341` is a light color, and the websafe version is hex `9999FF`. A complement of this color would be `91, 43.582, 107.166`, and the grayscale version is `65, 0.008, 296.813`.

A 20% lighter version of the original color is `84, 27.566, 295.229`, and `45, 48.244, 295.448` is the 20% darker color. If you saturate the color by 10%, you get `57, 62.236, 297.156`, and if you desaturate by 10%, it is `73, 34.022, 293.770`.

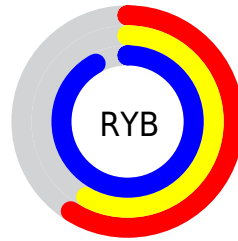
Distribution



Red (59%)

Green (58%)

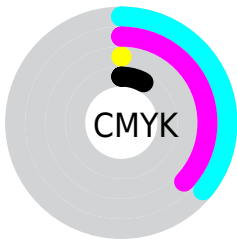
Blue (92%)



Red (59%)

Yellow (58%)

Blue (92%)

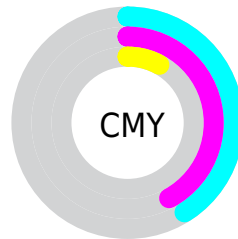


Cyan (36%)

Magenta (37%)

Yellow (0%)

Black (8%)



Cyan (41%)


Magenta (42%)


Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 47.843, 295.341 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 65, 47.843, 295.341 by changing the saturation by 10% instead.


 65, 47.843,
295.341


 65, 47.843,
295.341


 100, 47.843,
295.341


 55, 47.843,
295.341


 85, 47.843,
295.341

 45, 47.843,
295.341

 95, 47.843,
295.341

 35, 47.843,
295.341

 25, 47.843,
295.341

 15, 47.843,
295.341

 5, 47.843, 295.341

 0, 47.843, 295.341

■ 65, 47.843,
295.341

■ 65, 47.843,
295.341

■ 57, 62.236,
297.156

■ 73, 34.022,
293.770

■ 50, 77.096,
299.193

■ 80, 20.781,
292.431

■ 43, 92.034,
301.356

■ 88, 8.083, 291.300

■ 37, 106.098,
303.440

■ 96, 4.110, 110.312

■ 100, 10.042,
109.417

■ 33, 117.526,
305.121

■ 30, 124.275,
306.085

■ 29, 125.808,
306.313

Harmonies

Complementary

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



65, 47.843, 295.341



91, 43.582, 107.166

Rectangle

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



65, 47.843, 295.341



65, 47.843, 345.341



65, 47.843, 115.341



65, 47.843, 165.341

Sweetspot

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



65, 47.842, 295.341



91, 14.563, 291.781



88, 27.123, 197.641



47, 9.811, 291.936



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



65, 47.842, 295.341



64, 62.471, 296.702



69, 49.434, 310.898



45, 7.007, 291.606



21, 103.414, 306.323



2, 35.757, 298.029

Inverse Universe

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



73, 53.995, 326.743



75, 68.655, 327.123



88, 46.903, 127.345



46, 8.391, 325.257



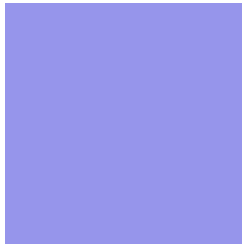
43, 88.549, 328.703



9, 37.969, 328.633

Previews

White Background



This preview shows how the CIELCh color 65, 47.843, 295.341 looks on a white background.

Color Contrast Check

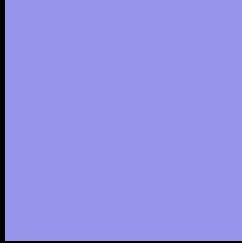
Large Text (above 18pt) WCAG AA × Fail

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 65, 47.843, 295.341 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

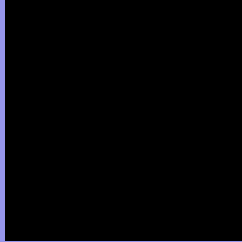
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 47.843, 295.341

Background



This preview shows how black text looks on a background with the CIELCh color 65, 47.843, 295.341.



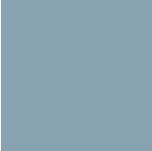
This preview shows how white text looks on a background with the CIELCh color 65, 47.843, 295.341.

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
65, 11.478, 237.999

Trichromacy



Original Color
65, 47.843, 295.341

Protanomaly
65, 47.289, 288.666

Deuteranomaly
65, 44.580, 287.187

Tritanomaly
65, 22.704, 278.938

Monochromacy



Original Color
65, 47.843, 295.341

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 17.825, 293.172

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 47.843, 295.341 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(150, 149, 235)` looks like.

```
.text, #text, p{  
    color:rgb(150, 149, 235)  
}
```

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(150, 149, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 149, 235) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 47.843, 295.341 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(150, 149, 235) }
```

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

```
.border{ border-color:rgb(150, 149, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 149, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 149, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 149, 235);  
box-shadow:4px 4px 4px 4px rgb(150, 149,  
235) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 47.843, 295.341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 149, 235) }
```

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

```
.background{ background-color: rgb(150,  
149, 235) }
```

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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