

Converting Colors

CIELCh(65, 21.791, 273.354)

Have a look what the booklet for
CIELCh(65, 21.791, 273.354)
contains.

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Color

CIELCh(65, 21.562, 272.546)

Conversions

Conversions Part 1

Format	Color
Hex	899FC4
RGB	137, 159, 196
RGB Percent	54%, 62%, 77%
CMY	0.4632, 0.3769, 0.2318
CMYK	0.30, 0.19, 0.00, 0.23
HSL	218°, 33%, 65%
HSV	218°, 30%, 77%
XYZ	32.6279, 34.0472, 57.0075
YIQ	156.6400, -24.9890, 6.8430

Conversions

Conversions Part 2

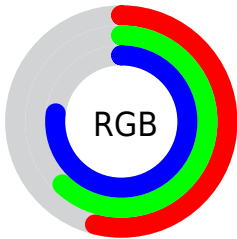
Format	Color
RYB	137, 153, 196
Decimal	9019332
CIELab	65.00, 0.96, -21.54
CIElCh	65, 21.562, 272.546
Yxy	34.0472, 0.2638, 0.2753
Android (android.graphics.Color)	4287209412 (0xFF899FC4)
YUV	156.6400, 19.4045, -17.2243
Hunter-Lab	58.3500, -2.2995, -17.0809

Details

The CIELCh color `65, 21.562, 272.546` is a light color, and the websafe version is hex `6699CC`. A complement of this color would be `72, 22.047, 83.918`, and the grayscale version is `64, 0.008, 296.813`.

A 20% lighter version of the original color is `85, 21.492, 272.522`, and `45, 21.362, 271.785` is the 20% darker color. If you saturate the color by 10%, you get `60, 28.868, 274.666`, and if you desaturate by 10%, it is `70, 14.330, 270.737`.

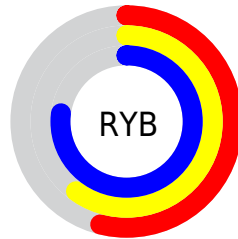
Distribution



Red (54%)

Green (62%)

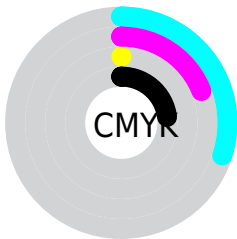
Blue (77%)



Red (54%)

Yellow (60%)

Blue (77%)

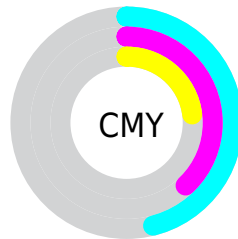


Cyan (30%)

Magenta (19%)

Yellow (0%)

Black (23%)



Cyan (46%)


Magenta (38%)


Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 21.562, 272.546 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, 21.562, 272.546 by changing the saturation by 10% instead.


 65, 21.562,
272.546


 65, 21.562,
272.546


 100, 21.562,
272.546


 55, 21.562,
272.546


 85, 21.562,
272.546

 45, 21.562,
272.546

 95, 21.562,
272.546

 35, 21.562,
272.546

 25, 21.562,
272.546

 15, 21.562,
272.546

 5, 21.562, 272.546

 0, 21.562, 272.546

65, 21.562,
272.546

65, 21.562,
272.546

60, 28.868,
274.666

70, 14.330,
270.737

56, 36.264,
277.146

74, 7.172, 269.206

79, 0.091, 270.775

51, 43.775,
280.017

84, 6.910, 86.657

47, 51.443,
283.280

88, 13.824, 85.682

43, 59.307,
286.884

93, 20.645, 84.820

96, 25.198, 99.429

39, 67.369,
290.699

99, 29.786,
107.913

36, 75.458,
294.393

Harmonies

Complementary

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



65, 21.562, 272.546



72, 22.047, 83.918

Rectangle

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



65, 21.562, 272.546



65, 21.562, 322.546



65, 21.562, 92.546



65, 21.562, 142.546

Sweetspot

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



65, 21.561, 272.544



95, 7.901, 269.071



75, 24.438, 167.515



50, 5.494, 269.277



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, 21.561, 272.544



79, 32.031, 273.874



60, 33.551, 297.701



38, 3.983, 269.101



29, 64.133, 293.807



3, 14.562, 277.924

Inverse Universe

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



63, 25.912, 354.276



77, 38.544, 355.165



77, 31.255, 112.386



38, 4.700, 351.913



34, 60.292, 13.653



3, 14.946, 359.660

Previews

White Background



This preview shows how the CIELCh color 65, 21.562, 272.546 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 CIE LCh color 65, 21.562, 272.546 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

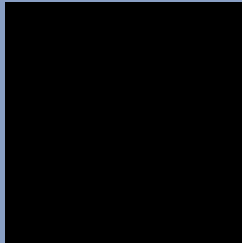
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

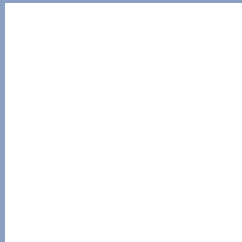
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 65, 21.562, 272.546

Background



This preview shows how black text looks on a background with the CIELCh color 65, 21.562, 272.546.



This preview shows how white text looks on a background with the CIELCh color 65, 21.562, 272.546.

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


65, 21.562, 272.546

Protanopia

65, 21.209, 285.928

Deuteranopia

65, 23.942, 291.050



Tritanopia
65, 12.529, 234.115

Trichromacy



Original Color
65, 21.562, 272.546

Protanomaly
65, 21.392, 281.473

Deuteranomaly
65, 22.920, 284.964

Tritanomaly
65, 15.067, 253.548

Monochromacy



Original Color
65, 21.562, 272.546

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 7.735, 268.801

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 21.562, 272.546 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(137, 159, 196)` looks like.

```
.text, #text, p{  
    color:rgb(137, 159, 196)  
}
```

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(137, 159, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 159, 196) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 21.562, 272.546 is called "border". The border property can be set on classes, ids or directly on the HTML element.

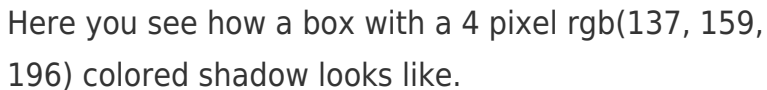
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(137, 159, 196) }
```

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

```
.border{ border-color:rgb(137, 159, 196) }
```

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



Here you see how a box with a 4 pixel `rgb(137, 159, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 159, 196); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 159, 196); box-shadow:4px 4px 4px 4px rgb(137, 159, 196) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 21.562, 272.546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 159, 196) }
```

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

```
.background{ background-color: rgb(137,  
159, 196) }
```

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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