

Converting Colors

CIELCh(50, 21.146, 266.619)

Have a look what the booklet for
CIELCh(50, 21.146, 266.619)
contains.

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Color

CIELCh(50, 21.042, 266.392)

Conversions

Conversions Part 1

Format	Color
Hex	5D799A
RGB	93, 121, 154
RGB Percent	36%, 47%, 60%
CMY	0.6343, 0.5245, 0.3950
CMYK	0.40, 0.21, 0.00, 0.40
HSL	212°, 25%, 49%
HSV	212°, 40%, 60%
XYZ	17.2631, 18.4187, 33.3331
YIQ	116.3900, -27.2810, 4.3270

Conversions

Conversions Part 2

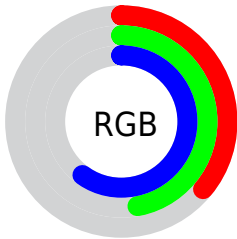
Format	Color
R_{YB}	93, 112, 154
Decimal	6125978
CIE _{Lab}	50.00, -1.32, -21.00
CIE _{LCh}	50, 21.042, 266.392
Yxy	18.4187, 0.2501, 0.2669
Android (android.graphics.Color)	4284316058 (0xFF5D799A)
YUV	116.3900, 18.5417, -20.5130
Hunter-Lab	42.9170, -3.3043, -16.0080

Details

The CIELCh color $50, 21.042, 266.392$ is a dark color, and the websafe version is hex 336699 . A complement of this color would be $55, 22.830, 74.721$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $70, 20.942, 266.025$, and $30, 21.042, 265.646$ is the 20% darker color. If you saturate the color by 10%, you get $47, 26.276, 268.863$, and if you desaturate by 10%, it is $53, 15.766, 264.292$.

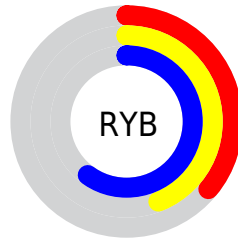
Distribution



Red (36%)

Green (47%)

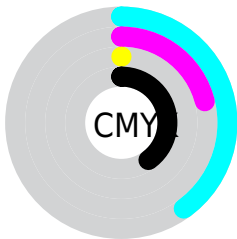
Blue (60%)



Red (36%)

Yellow (44%)

Blue (60%)

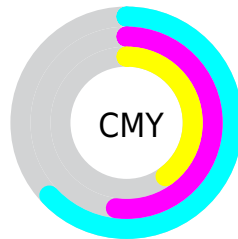


Cyan (40%)

Magenta (21%)

Yellow (0%)

Black (40%)



Cyan (63%)


Magenta (52%)


Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 21.042, 266.392 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, 21.042, 266.392 by changing the saturation by 10% instead.


 50, 21.042,
266.392


 50, 21.042,
266.392


 100, 21.042,
266.392


 40, 21.042,
266.392


 70, 21.042,
266.392

 30, 21.042,
266.392


 80, 21.042,
266.392


 20, 21.042,
266.392

 90, 21.042,
266.392

 10, 21.042,
266.392

 0, 21.042, 266.392

 50, 21.042,
266.392

 50, 21.042,
266.392

47, 26.276,
268.863

53, 15.766,
264.292

43, 31.479,
271.752

57, 10.454,
262.516

40, 36.677,
275.083

60, 5.115, 261.027

64, 0.236, 78.505

37, 41.920,
278.835

67, 5.585, 78.517

34, 47.265,
282.920

71, 10.920, 77.580

32, 52.780,
287.028

74, 16.229, 76.753

78, 21.502, 76.024

31, 53.035,
287.199

81, 26.732, 75.379

Harmonies

Complementary

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



50, 21.042, 266.392



55, 22.830, 74.721

Rectangle

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



50, 21.042, 266.392



50, 21.042, 316.392



50, 21.042, 86.392



50, 21.042, 136.392

Sweetspot

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



50, 21.041, 266.391



76, 7.987, 261.400



59, 27.886, 161.635



40, 5.339, 261.571



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



50, 21.041, 266.391



61, 30.995, 268.437



42, 36.855, 296.298



31, 3.008, 260.983



28, 49.048, 286.810



1, 3.278, 260.518

Inverse Universe

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



47, 29.342, 349.938



57, 43.144, 351.118



62, 33.384, 107.975



30, 4.073, 346.654



29, 54.140, 4.801



1, 4.327, 346.363

Previews

White Background



This preview shows how the CIELCh color 50, 21.042, 266.392 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 CIE LCh color 50, 21.042, 266.392 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

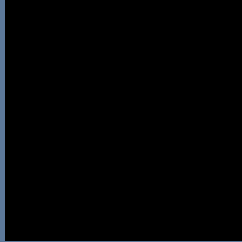
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

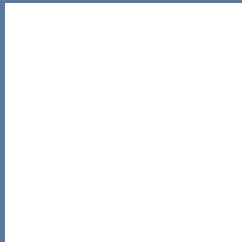
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 21.042, 266.392

Background



This preview shows how black text looks on a background with the CIELCh color 50, 21.042, 266.392.

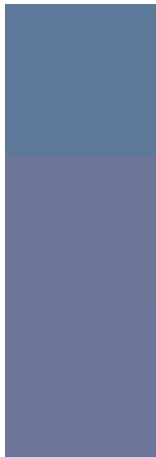


This preview shows how white text looks on a background with the CIELCh color 50, 21.042, 266.392.

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, 21.042, 266.392

Protanopia

50, 19.998, 285.667

Deuteranopia

50, 22.308, 286.781



Tritanopia
50, 14.102, 222.885

Trichromacy



Original Color
50, 21.042, 266.392

Protanomaly
50, 19.808, 277.495

Deuteranomaly
50, 21.483, 279.080

Tritanomaly
50, 15.434, 241.827

Monochromacy



Original Color
50, 21.042, 266.392

Achromatopsia
49, 0.007, 296.813

Achromatomaly
50, 8.068, 260.144

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 21.042, 266.392 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(93, 121, 154)` looks like.

```
.text, #text, p{  
    color:rgb(93, 121, 154)  
}
```

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(93, 121, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 121, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 21.042, 266.392 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(93, 121, 154) }
```

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

```
.border{ border-color:rgb(93, 121, 154) }
```

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

Here you see how a box with a 4 pixel rgb(93, 121, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 121, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 121, 154);  
box-shadow:4px 4px 4px 4px rgb(93, 121,  
154) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 21.042, 266.392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 121, 154) }
```

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

```
.background{ background-color: rgb(93, 121,  
154) }
```

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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