

Converting Colors

CIELCh(50, 22.679, 266.962)

Have a look what the booklet for
CIELCh(50, 22.679, 266.962)
contains.

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Color

CIELCh(50, 22.792, 267.427)

Conversions

Conversions Part 1

Format	Color
Hex	5B799D
RGB	91, 121, 157
RGB Percent	36%, 47%, 62%
CMY	0.6421, 0.5245, 0.3832
CMYK	0.42, 0.23, 0.00, 0.38
HSL	213°, 27%, 49%
HSV	213°, 42%, 62%
XYZ	17.3182, 18.4187, 34.6626
YIQ	116.1340, -29.4360, 4.8360

Conversions

Conversions Part 2

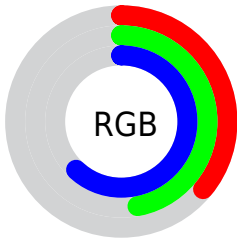
Format	Color
RYB	91, 112, 157
Decimal	5994909
CIELab	50.00, -1.02, -22.77
CIELCh	50, 22.792, 267.427
Yxy	18.4187, 0.2460, 0.2616
Android (android.graphics.Color)	4284184989 (0xFF5B799D)
YUV	116.1340, 20.1469, -22.0425
Hunter-Lab	42.9170, -3.0751, -17.8447

Details

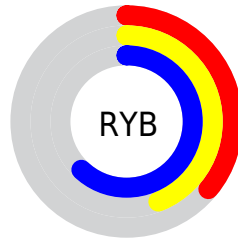
The CIELCh color `50, 22.792, 267.427` is a dark color, and the websafe version is hex `336699`. A complement of this color would be `55, 24.784, 74.832`, and the grayscale version is `49, 0.007, 296.813`.

A 20% lighter version of the original color is `70, 22.990, 268.149`, and `30, 22.836, 267.537` is the 20% darker color. If you saturate the color by 10%, you get `47, 28.143, 270.000`, and if you desaturate by 10%, it is `53, 17.405, 265.237`.

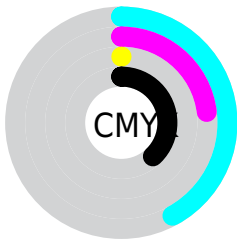
Distribution



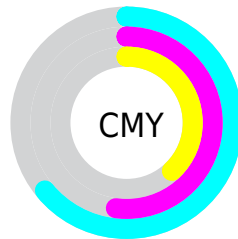
- Red (36%)
- Green (47%)
- Blue (62%)



- Red (36%)
- Yellow (44%)
- Blue (62%)



- Cyan (42%)
- Magenta (23%)
- Yellow (0%)
- Black (38%)



- Cyan (64%)
- Magenta (52%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 22.792, 267.427 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, 22.792, 267.427 by changing the saturation by 10% instead.

■ 50, 22.792,
267.427

■ 50, 22.792,
267.427

■ 100, 22.792,
267.427

■ 40, 22.792,
267.427

■ 70, 22.792,
267.427

■ 30, 22.792,
267.427

■ 80, 22.792,
267.427

■ 20, 22.792,
267.427

■ 90, 22.792,
267.427

■ 10, 22.792,
267.427

■ 0, 22.792, 267.427

■ 50, 22.792,
267.427

■ 50, 22.792,
267.427

47, 28.143,
270.000

53, 17.405,
265.237

43, 33.475,
272.998

57, 11.985,
263.383

40, 38.820,
276.436

61, 6.539, 261.821

64, 1.082, 260.686

37, 44.231,
280.276

68, 4.374, 79.209

34, 49.766,
284.410

71, 9.815, 78.246

32, 54.347,
287.660

75, 15.229, 77.388

78, 20.607, 76.634

82, 25.941, 75.967

Harmonies

Complementary

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



50, 22.792, 267.427



55, 24.784, 74.832

Rectangle

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



50, 22.792, 267.427



50, 22.792, 317.427



50, 22.792, 87.427



50, 22.792, 137.427

Sweetspot

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



50, 22.791, 267.426



76, 8.777, 262.005



60, 29.956, 161.331



39, 6.126, 262.313



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, 22.791, 267.426



60, 33.476, 269.720



42, 39.938, 296.706



32, 3.104, 261.445



29, 50.208, 287.274



2, 4.151, 262.510

Inverse Universe

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



47, 31.540, 350.552



57, 46.112, 351.891



63, 35.891, 107.763



31, 4.173, 346.918



30, 54.839, 5.309



1, 5.311, 347.542

Previews

White Background



This preview shows how the CIELCh color 50, 22.792, 267.427 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, 22.792, 267.427 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

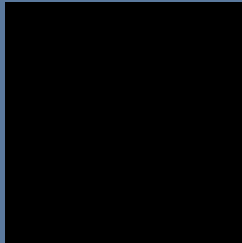
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

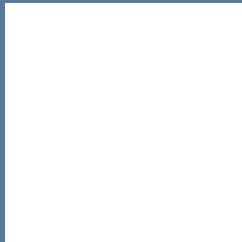
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 22.792, 267.427

Background



This preview shows how black text looks on a background with the CIELCh color 50, 22.792, 267.427.

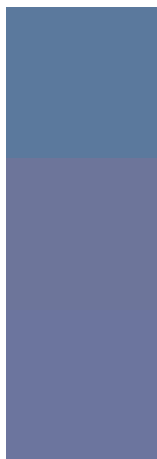


This preview shows how white text looks on a background with the CIELCh color 50, 22.792, 267.427.

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, 22.792, 267.427

Protanopia

50, 21.762, 285.631

Deuteranopia

50, 24.098, 285.933



Tritanopia
50, 14.946, 221.335

Trichromacy



Original Color
50, 22.792, 267.427

Protanomaly
50, 21.551, 278.233

Deuteranomaly
50, 23.292, 278.915

Tritanomaly
50, 16.436, 241.330

Monochromacy



Original Color
50, 22.792, 267.427

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 8.578, 262.334

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 22.792, 267.427 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(91, 121, 157)` looks like.

```
.text, #text, p{  
    color:rgb(91, 121, 157)  
}
```

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(91, 121, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 121, 157) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 22.792, 267.427 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(91, 121, 157) }
```

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

```
.border{ border-color:rgb(91, 121, 157) }
```

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

Here you see how a box with a 4 pixel rgb(91, 121, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 121, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 121, 157);  
box-shadow:4px 4px 4px 4px rgb(91, 121,  
157) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 22.792, 267.427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 121, 157) }
```

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

```
.background{ background-color: rgb(91, 121,  
157) }
```

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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