

Converting Colors

CIELCh(66, 23.820, 272.539)

Have a look what the booklet for
CIELCh(66, 23.820, 272.539)
contains.

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Color

CIELCh(66, 23.820, 272.539)

Conversions

Conversions Part 1

Format	Color
Hex	89A2CB
RGB	137, 162, 203
RGB Percent	54%, 64%, 80%
CMY	0.4639, 0.3659, 0.2052
CMYK	0.33, 0.20, 0.00, 0.21
HSL	217°, 39%, 67%
HSV	217°, 33%, 79%
XYZ	33.8758, 35.3238, 61.3353
YIQ	159.1990, -28.0610, 7.4510

Conversions

Conversions Part 2

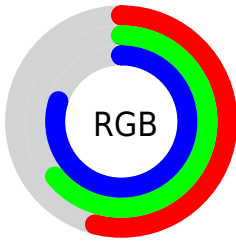
Format	Color
RYB	137, 155, 203
Decimal	9020107
CIELab	66.00, 1.06, -23.80
CIElCh	66, 23.820, 272.539
Yxy	35.3238, 0.2595, 0.2706
Android (android.graphics.Color)	4287210187 (0xFF89A2CB)
YUV	159.1990, 21.5939, -19.4685
Hunter-Lab	59.4338, -2.2686, -19.5831

Details

The CIELCh color `66, 23.820, 272.539` is a light color, and the websafe version is hex `6699CC`. A complement of this color would be `74, 24.468, 83.052`, and the grayscale version is `65, 0.008, 296.813`.

A 20% lighter version of the original color is `86, 21.260, 269.508`, and `46, 23.710, 272.224` is the 20% darker color. If you saturate the color by 10%, you get `61, 31.282, 274.758`, and if you desaturate by 10%, it is `71, 16.427, 270.647`.

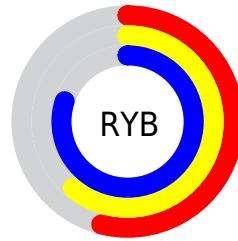
Distribution



Red (54%)

Green (64%)

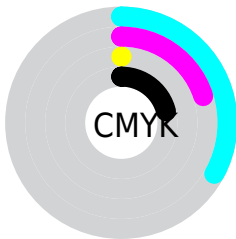
Blue (80%)



Red (54%)

Yellow (61%)

Blue (80%)

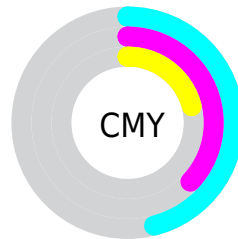


Cyan (33%)

Magenta (20%)

Yellow (0%)

Black (21%)



Cyan (46%)

Magenta (37%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 23.820, 272.539 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 66, 23.820, 272.539 by changing the saturation by 10% instead.

■ 66, 23.820,
272.539

■ 66, 23.820,
272.539

■ 100, 23.820,
272.539

■ 56, 23.820,
272.539

■ 86, 23.820,
272.539

■ 46, 23.820,
272.539

■ 96, 23.820,
272.539

■ 36, 23.820,
272.539

■ 26, 23.820,
272.539

■ 16, 23.820,
272.539

■ 6, 23.820, 272.539

■ 0, 23.820, 272.539

66, 23.820,
272.539

66, 23.820,
272.539

61, 31.282,
274.758

71, 16.427,
270.647

57, 38.833,
277.350

76, 9.104, 269.042

80, 1.850, 267.777

52, 46.502,
280.342

85, 5.327, 86.384

48, 54.334,
283.725

90, 12.421, 85.382

44, 62.369,
287.431

94, 18.931, 87.978

98, 23.959,
103.668

40, 70.598,
291.310

99, 26.393,
108.174

37, 76.801,
294.099

Harmonies

Complementary

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



66, 23.820, 272.539



74, 24.468, 83.052

Rectangle

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



66, 23.820, 272.539



66, 23.820, 322.539



66, 23.820, 92.539



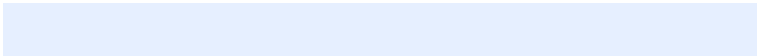
66, 23.820, 142.539

Sweetspot

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



66, 23.819, 272.538



94, 8.727, 268.695



77, 27.067, 167.228



49, 5.958, 268.897



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



66, 23.819, 272.538



78, 34.491, 274.047



60, 37.479, 298.010



40, 4.129, 268.592



30, 65.129, 293.518



4, 17.400, 279.735

Inverse Universe

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



64, 28.940, 354.215



75, 41.908, 355.216



80, 34.671, 112.190



40, 4.921, 351.538



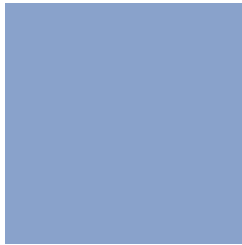
35, 61.632, 13.230



4, 18.955, 0.726

Previews

White Background



This preview shows how the CIELCh color 66, 23.820, 272.539 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 66, 23.820, 272.539 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

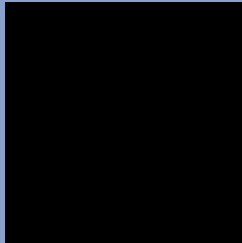
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

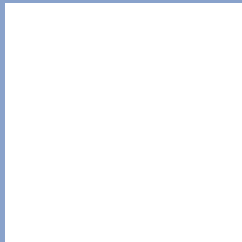
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 66, 23.820, 272.539

Background



This preview shows how black text looks on a background with the CIELCh color 66, 23.820, 272.539.



This preview shows how white text looks on a background with the CIELCh color 66, 23.820, 272.539.

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

66, 23.820, 272.539

Protanopia

66, 23.383, 285.983

Deuteranopia

66, 26.080, 289.921



Tritanopia
66, 13.841, 230.099

Trichromacy



Original Color
66, 23.820, 272.539

Protanomaly
66, 23.608, 281.229

Deuteranomaly
66, 25.136, 283.667

Tritanomaly
66, 16.606, 252.472

Monochromacy



Original Color
66, 23.820, 272.539

Achromatopsia
65, 0.008, 296.813

Achromatomaly
66, 8.865, 269.531

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 23.820, 272.539 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, 162, 203)` looks like.

```
.text, #text, p{  
    color:rgb(137, 162, 203)  
}
```

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, 162, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 162, 203) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 23.820, 272.539 is called "border". The border property can be set on classes, ids or directly on the HTML element.

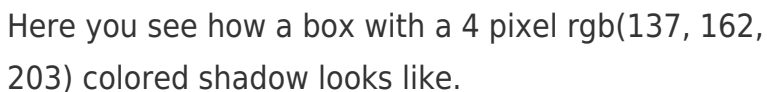
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(137, 162, 203) }
```

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

```
.border{ border-color:rgb(137, 162, 203) }
```

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



Here you see how a box with a 4 pixel `rgb(137, 162, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 162, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 162, 203);  
box-shadow:4px 4px 4px 4px rgb(137, 162,  
203) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 23.820, 272.539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 162, 203) }
```

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

```
.background{ background-color: rgb(137,  
162, 203) }
```

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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