

Converting Colors

CIELCh(69, 20.923, 286.666)

Have a look what the booklet for
CIELCh(69, 20.923, 286.666)
contains.

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Color

CIELCh(69, 20.946, 286.680)

Conversions

Conversions Part 1

Format	Color
Hex	A0A6CC
RGB	160, 166, 204
RGB Percent	63%, 65%, 80%
CMY	0.3707, 0.3472, 0.1981
CMYK	0.22, 0.19, 0.00, 0.20
HSL	232°, 30%, 72%
HSV	232°, 22%, 80%
XYZ	39.2670, 39.3444, 62.9540
YIQ	168.5380, -15.7740, 10.5460

Conversions

Conversions Part 2

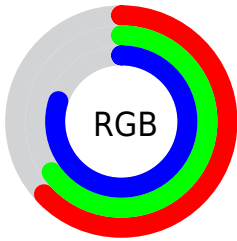
Format	Color
R_{YB}	160, 165, 204
Decimal	10528460
CIE _{Lab}	69.00, 6.01, -20.06
CIE _{LCh}	69, 20.946, 286.680
Yxy	39.3444, 0.2774, 0.2779
Android (android.graphics.Color)	4288718540 (0xFFA0A6CC)
YUV	168.5380, 17.4828, -7.4878
Hunter-Lab	62.7251, 1.9750, -15.5988

Details

The CIELCh color $69, 20.946, 286.680$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $80, 20.248, 101.632$, and the grayscale version is $69, 0.009, 296.813$.

A 20% lighter version of the original color is $89, 17.808, 285.176$, and $49, 21.219, 287.251$ is the 20% darker color. If you saturate the color by 10%, you get $63, 31.220, 288.276$, and if you desaturate by 10%, it is $75, 11.029, 285.318$.

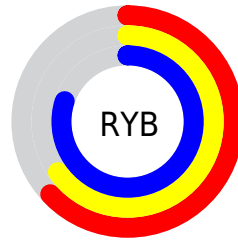
Distribution



Red (63%)

Green (65%)

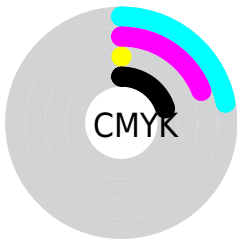
Blue (80%)



Red (63%)

Yellow (65%)

Blue (80%)

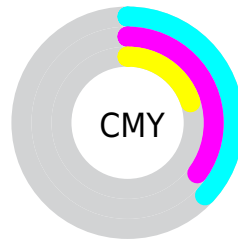


Cyan (22%)

Magenta (19%)

Yellow (0%)

Black (20%)



Cyan (37%)

Magenta (35%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 20.946, 286.680 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 69, 20.946, 286.680 by changing the saturation by 10% instead.

■ 69, 20.946,
286.680

■ 69, 20.946,
286.680

■ 100, 20.946,
286.680

■ 59, 20.946,
286.680

■ 89, 20.946,
286.680

■ 49, 20.946,
286.680

■ 99, 20.946,
286.680

■ 39, 20.946,
286.680

■ 29, 20.946,
286.680

■ 19, 20.946,
286.680

■ 9, 20.946, 286.680

■ 0, 20.946, 286.680

69, 20.946,
286.680

69, 20.946,
286.680

63, 31.220,
288.276

75, 11.029,
285.318

57, 41.886,
290.143

81, 1.444, 284.226

87, 7.834, 103.123

51, 52.966,
292.301

93, 16.826,
102.270

45, 64.445,
294.742

99, 25.384,
108.057

39, 76.189,
297.400

99, 25.494,
108.243

34, 87.798,
300.118

30, 98.416,
302.638

27, 105.723,

Harmonies

Complementary

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



69, 20.946, 286.680



80, 20.248, 101.632

Rectangle

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



69, 20.946, 286.680



69, 20.946, 336.680



69, 20.946, 106.680



69, 20.946, 156.680

Sweetspot

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



69, 20.945, 286.678



96, 6.812, 284.670



79, 15.834, 185.327



50, 4.522, 284.745



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



69, 20.945, 286.678



81, 30.517, 287.415



69, 24.929, 304.929



40, 5.399, 285.056



21, 89.516, 304.049



2, 21.309, 288.885

Inverse Universe

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



70, 17.470, 10.319



83, 25.585, 10.928



80, 23.978, 122.517



40, 4.432, 8.982



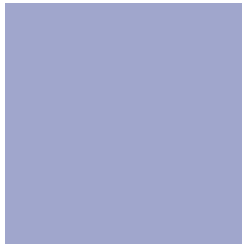
34, 69.895, 33.378



4, 18.061, 12.722

Previews

White Background



This preview shows how the CIELCh color 69, 20.946, 286.680 looks on a white background.

Color Contrast Check

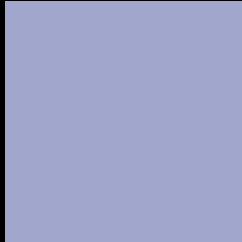
Large Text (above 18pt) WCAG AA × Fail

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 69, 20.946, 286.680 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

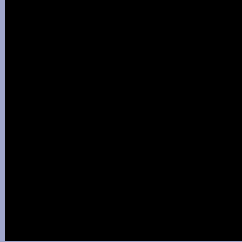
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 20.946, 286.680

Background



This preview shows how black text looks on a background with the CIELCh color 69, 20.946, 286.680.



This preview shows how white text looks on a background with the CIELCh color 69, 20.946, 286.680.

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

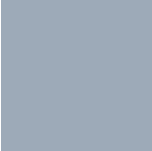
69, 20.946, 286.680

Protanopia

69, 20.951, 285.752

Deuteranopia

69, 22.012, 293.252



Tritanopia
69, 8.881, 259.433

Trichromacy



Original Color
69, 20.946, 286.680

Protanomaly
69, 20.951, 285.752

Deuteranomaly
69, 21.432, 290.483

Tritanomaly
69, 12.589, 273.524

Monochromacy



Original Color
69, 20.946, 286.680

Achromatopsia
69, 0.009, 296.813

Achromatomaly
69, 7.713, 285.550

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 20.946, 286.680 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(160, 166, 204)` looks like.

```
.text, #text, p{  
    color:rgb(160, 166, 204)  
}
```

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(160, 166, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 166, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 20.946, 286.680 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(160, 166, 204) }
```

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

```
.border{ border-color:rgb(160, 166, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 166, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 166, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 166, 204);  
box-shadow:4px 4px 4px 4px rgb(160, 166,  
204) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 20.946, 286.680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 166, 204) }
```

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

```
.background{ background-color: rgb(160,  
166, 204) }
```

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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