

Converting Colors

CIELCh(68, 20.404, 292.230)

Have a look what the booklet for
CIELCh(68, 20.404, 292.230)
contains.

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Color

CIELCh(68, 20.404, 292.230)

Conversions

Conversions Part 1

Format	Color
Hex	A3A3C8
RGB	163, 163, 200
RGB Percent	64%, 64%, 78%
CMY	0.3622, 0.3621, 0.2171
CMYK	0.19, 0.19, 0.00, 0.22
HSL	240°, 25%, 71%
HSV	240°, 19%, 78%
XYZ	38.4493, 37.9720, 59.7222
YIQ	167.2180, -11.8770, 11.5070

Conversions

Conversions Part 2

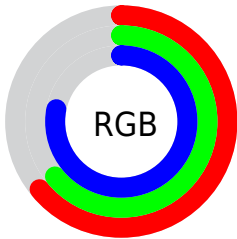
Format	Color
R _Y B	163, 163, 200
Decimal	10724296
CIE Lab	68.00, 7.72, -18.89
CIE LCh	68, 20.404, 292.230
Yxy	37.9720, 0.2824, 0.2789
Android (android.graphics.Color)	4288914376 (0xFFA3A3C8)
YUV	167.2180, 16.1615, -3.6992
Hunter-Lab	61.6215, 3.5391, -14.3276

Details

The CIELCh color `68, 20.404, 292.230` is a light color, and the websafe version is hex `9999CC`. A complement of this color would be `80, 19.555, 108.390`, and the grayscale version is `68, 0.008, 296.813`.

A 20% lighter version of the original color is `88, 19.343, 291.759`, and `48, 20.666, 292.886` is the 20% darker color. If you saturate the color by 10%, you get `61, 32.078, 293.624`, and if you desaturate by 10%, it is `75, 9.206, 291.047`.

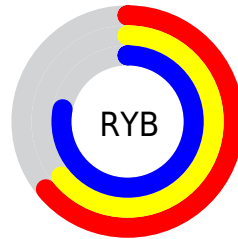
Distribution



Red (64%)

Green (64%)

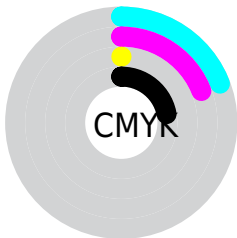
Blue (78%)



Red (64%)

Yellow (64%)

Blue (78%)

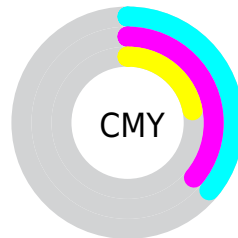


Cyan (19%)

Magenta (19%)

Yellow (0%)

Black (22%)



Cyan (36%)


Magenta (36%)


Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 20.404, 292.230 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 68, 20.404, 292.230 by changing the saturation by 10% instead.


 68, 20.404,
292.230


 68, 20.404,
292.230


 100, 20.404,
292.230


 58, 20.404,
292.230


 88, 20.404,
292.230

 48, 20.404,
292.230

 98, 20.404,
292.230

 38, 20.404,
292.230

 28, 20.404,
292.230

 18, 20.404,
292.230

 8, 20.404, 292.230

 0, 20.404, 292.230

68, 20.404,
292.230

68, 20.404,
292.230

61, 32.078,
293.624

75, 9.206, 291.047

54, 44.260,
295.258

81, 1.547, 109.993

48, 56.940,
297.140

88, 11.891,
109.176

41, 70.002,
299.240

95, 21.856,
108.452

35, 83.066,
301.451

99, 27.917,
108.057

30, 95.218,
303.548

27, 104.848,
305.200

24, 110.559,

306.165

■ 24, 111.283,
306.286

Harmonies

Complementary

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



68, 20.404, 292.230



80, 19.555, 108.390

Rectangle

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



68, 20.404, 292.230



68, 20.404, 342.230



68, 20.404, 112.230



68, 20.404, 162.230

Sweetspot

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



68, 20.402, 292.228



95, 7.866, 290.789



78, 12.916, 196.997



50, 5.224, 290.858



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



68, 20.402, 292.228



82, 29.784, 292.731



69, 21.384, 309.355



38, 6.113, 291.140



19, 95.822, 306.285



1, 21.508, 291.743

Inverse Universe

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



70, 14.534, 20.677



85, 21.363, 21.039



78, 20.834, 127.641



39, 4.279, 19.912



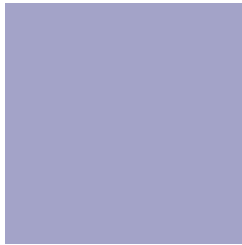
34, 74.639, 39.771



3, 15.885, 19.398

Previews

White Background



This preview shows how the CIELCh color 68, 20.404, 292.230 looks on a white background.

Color Contrast Check

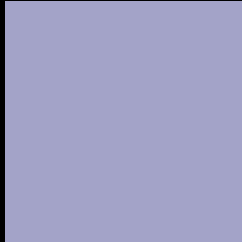
Large Text (above 18pt) WCAG AA × Fail

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 68, 20.404, 292.230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

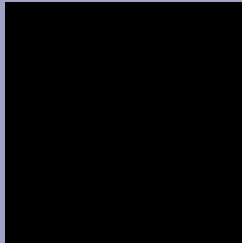
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 20.404, 292.230

Background



This preview shows how black text looks on a background with the CIELCh color 68, 20.404, 292.230.



This preview shows how white text looks on a background with the CIELCh color 68, 20.404, 292.230.

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

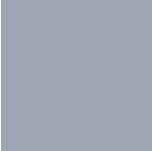
68, 20.404, 292.230

Protanopia

68, 20.446, 286.491

Deuteranopia

68, 21.017, 295.111



Tritanopia
68, 7.548, 271.271

Trichromacy



Original Color
68, 20.404, 292.230

Protanomaly
68, 20.403, 288.384

Deuteranomaly
68, 20.998, 294.171

Tritanomaly
68, 12.216, 283.048

Monochromacy



Original Color
68, 20.404, 292.230

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 7.716, 290.970

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 20.404, 292.230 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(163, 163, 200)` looks like.

```
.text, #text, p{  
    color:rgb(163, 163, 200)  
}
```

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(163, 163, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 163, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 20.404, 292.230 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(163, 163, 200) }
```

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

```
.border{ border-color:rgb(163, 163, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 163, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 163, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 163, 200);  
box-shadow:4px 4px 4px 4px rgb(163, 163,  
200) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 20.404, 292.230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 163, 200) }
```

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

```
.background{ background-color: rgb(163,  
163, 200) }
```

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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