

Converting Colors

CIELCh(68, 20.625, 233.426)

Have a look what the booklet for
CIELCh(68, 20.625, 233.426)
contains.

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Color

CIELCh(68, 20.696, 232.466)

Conversions

Conversions Part 1

Format	Color
Hex	77AEC3
RGB	119, 174, 195
RGB Percent	47%, 68%, 76%
CMY	0.5346, 0.3189, 0.2366
CMYK	0.39, 0.11, 0.00, 0.24
HSL	197°, 39%, 61%
HSV	197°, 39%, 76%
XYZ	32.4505, 37.9720, 57.0536
YIQ	159.9490, -39.5210, -5.1290

Conversions

Conversions Part 2

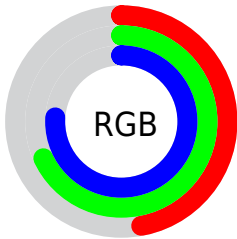
Format	Color
R _Y B	119, 151, 195
Decimal	7843523
CIE Lab	68.00, -12.61, -16.41
CIE LCh	68, 20.696, 232.466
Yxy	37.9720, 0.2546, 0.2979
Android (android.graphics.Color)	4286033603 (0xFF77AEC3)
YUV	159.9490, 17.2801, -35.9123
Hunter-Lab	61.6215, -13.8375, -11.7600

Details

The CIELCh color `68, 20.696, 232.466` is a light color, and the websafe version is hex `669999`. A complement of this color would be `63, 26.706, 46.942`, and the grayscale version is `66, 0.008, 296.813`.

A 20% lighter version of the original color is `88, 20.775, 232.212`, and `48, 20.512, 231.251` is the 20% darker color. If you saturate the color by 10%, you get `66, 24.983, 234.198`, and if you desaturate by 10%, it is `71, 15.924, 231.109`.

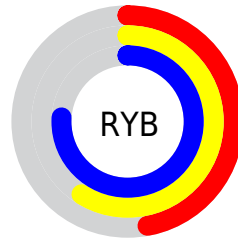
Distribution



Red (47%)

Green (68%)

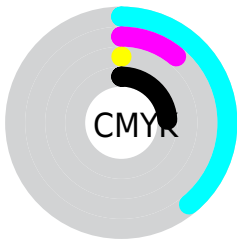
Blue (76%)



Red (47%)

Yellow (59%)

Blue (76%)

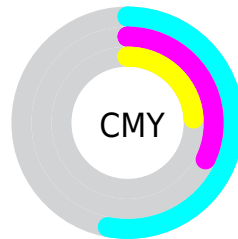


Cyan (39%)

Magenta (11%)

Yellow (0%)

Black (24%)



Cyan (53%)

Magenta (32%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 20.696, 232.466 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, 20.696, 232.466 by changing the saturation by 10% instead.

 68, 20.696,
232.466

 68, 20.696,
232.466

 100, 20.696,
232.466

 58, 20.696,
232.466


 88, 20.696,
232.466

 48, 20.696,
232.466

 98, 20.696,
232.466

 38, 20.696,
232.466

 28, 20.696,
232.466

 18, 20.696,
232.466

 8, 20.696, 232.466

 0, 20.696, 232.466

68, 20.696,
232.466

68, 20.696,
232.466

66, 24.983,
234.198

71, 15.924,
231.109

63, 28.728,
236.399

73, 10.742,
230.064

61, 31.896,
239.158

76, 5.223, 229.294

59, 34.502,
242.558

79, 0.565, 47.668

82, 6.559, 48.003

57, 36.624,
246.646

85, 12.708, 47.671

55, 38.453,
251.304

88, 18.968, 47.405

89, 18.732, 57.493

55, 38.635,
251.749

91, 19.078, 67.533

Harmonies

Complementary

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



68, 20.696, 232.466



63, 26.706, 46.942

Rectangle

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



68, 20.696, 232.466



68, 20.696, 282.466



68, 20.696, 52.466



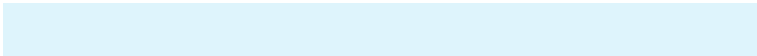
68, 20.696, 102.466

Sweetspot

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



68, 20.695, 232.463



95, 8.505, 229.505



73, 41.172, 149.676



51, 5.670, 229.604



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, 20.695, 232.463



84, 29.736, 233.948



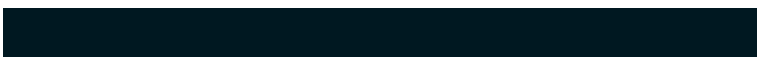
58, 33.404, 284.384



39, 3.263, 229.314



46, 33.331, 250.981



7, 10.443, 241.230

Inverse Universe

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



60, 41.234, 336.148



72, 60.583, 336.876



72, 32.190, 93.604



38, 5.956, 333.931



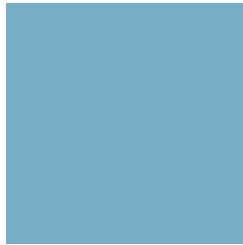
36, 66.494, 342.964



4, 18.647, 338.828

Previews

White Background



This preview shows how the CIELCh color 68, 20.696, 232.466 looks on a white background.

Color Contrast Check

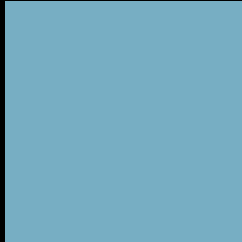
Large Text (above 18pt) WCAG AA × Fail

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, 20.696, 232.466 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, 20.696, 232.466

Background



This preview shows how black text looks on a background with the CIELCh color 68, 20.696, 232.466.



This preview shows how white text looks on a background with the CIELCh color 68, 20.696, 232.466.

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, 20.696, 232.466

Protanopia

68, 13.258, 286.921

Deuteranopia

68, 19.966, 296.185



Tritanopia
68, 20.105, 220.757

Trichromacy



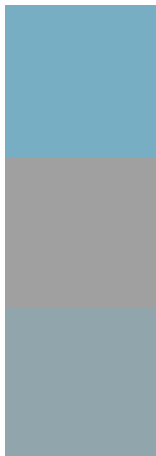
Original Color
68, 20.696, 232.466

Protanomaly
68, 14.087, 258.814

Deuteranomaly
68, 17.450, 271.314

Tritanomaly
68, 20.154, 224.209

Monochromacy



Original Color
68, 20.696, 232.466

Achromatopsia
66, 0.008, 296.813

Achromatomaly
66, 8.352, 231.044

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 20.696, 232.466 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(119, 174, 195)` looks like.

```
.text, #text, p{  
    color:rgb(119, 174, 195)  
}
```

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(119, 174, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 174, 195) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 20.696, 232.466 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(119, 174, 195) }
```

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

```
.border{ border-color:rgb(119, 174, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 174, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 174, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 174, 195);  
box-shadow:4px 4px 4px 4px rgb(119, 174,  
195) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 20.696, 232.466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 174, 195) }
```

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

```
.background{ background-color: rgb(119,  
174, 195) }
```

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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