

Converting Colors

CIELCh(67, 20.416, 253.349)

Have a look what the booklet for
CIELCh(67, 20.416, 253.349)
contains.

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Color

CIELCh(67, 20.433, 253.398)

Conversions

Conversions Part 1

Format	Color
Hex	81A8C6
RGB	129, 168, 198
RGB Percent	51%, 66%, 78%
CMY	0.4950, 0.3421, 0.2245
CMYK	0.35, 0.15, 0.00, 0.22
HSL	206°, 38%, 64%
HSV	206°, 35%, 78%
XYZ	33.1407, 36.6320, 58.6016
YIQ	159.7590, -32.8740, 1.0620

Conversions

Conversions Part 2

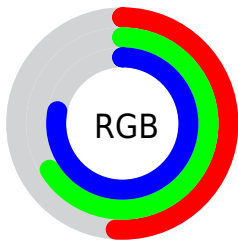
Format	Color
RYB	129, 154, 198
Decimal	8497350
CIELab	67.00, -5.84, -19.58
CIElCh	67, 20.433, 253.398
Yxy	36.6320, 0.2582, 0.2854
Android (android.graphics.Color)	4286687430 (0xFF81A8C6)
YUV	159.7590, 18.8528, -26.9756
Hunter-Lab	60.5244, -8.1781, -15.0395

Details

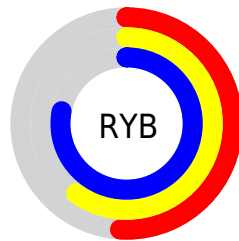
The CIELCh color `67, 20.433, 253.398` is a light color, and the websafe version is hex `6699CC`. A complement of this color would be `68, 23.475, 64.194`, and the grayscale version is `66, 0.008, 296.813`.

A 20% lighter version of the original color is `87, 20.501, 254.055`, and `47, 20.345, 253.651` is the 20% darker color. If you saturate the color by 10%, you get `63, 25.855, 255.684`, and if you desaturate by 10%, it is `71, 14.788, 251.503`.

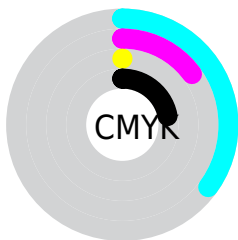
Distribution



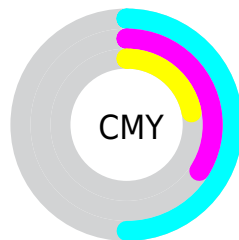
- Red (51%)
- Green (66%)
- Blue (78%)



- Red (51%)
- Yellow (60%)
- Blue (78%)



- Cyan (35%)
- Magenta (15%)
- Yellow (0%)
- Black (22%)



- Cyan (50%)
- Magenta (34%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 20.433, 253.398 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 67, 20.433, 253.398 by changing the saturation by 10% instead.

■ 67, 20.433,
253.398

■ 67, 20.433,
253.398

■ 100, 20.433,
253.398

■ 57, 20.433,
253.398

■ 87, 20.433,
253.398

■ 47, 20.433,
253.398

■ 97, 20.433,
253.398

■ 37, 20.433,
253.398

■ 27, 20.433,
253.398

■ 17, 20.433,
253.398

■ 7, 20.433, 253.398

■ 0, 20.433, 253.398

67, 20.433,
253.398

67, 20.433,
253.398

63, 25.855,
255.684

71, 14.788,
251.503

60, 31.035,
258.439

74, 8.955, 249.947

78, 2.973, 248.730

57, 35.976,
261.720

82, 3.123, 67.362

54, 40.718,
265.559

85, 9.298, 66.528

51, 45.347,
269.928

89, 15.523, 65.764

92, 18.724, 75.435

48, 49.988,
274.705

94, 21.081, 89.104

46, 52.437,
277.122

96, 24.372, 99.451

Harmonies

Complementary

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



67, 20.433, 253.398



68, 23.475, 64.194

Rectangle

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



67, 20.433, 253.398



67, 20.433, 303.398



67, 20.433, 73.398



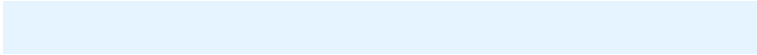
67, 20.433, 123.398

Sweetspot

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



67, 20.432, 253.396



95, 7.434, 249.318



74, 32.803, 157.039



50, 5.064, 249.500



0, 0.000, 0.000



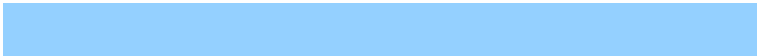
53, 0.007, 296.813

Same Dimension

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



67, 20.432, 253.396



81, 29.855, 255.131



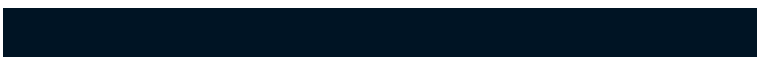
58, 36.662, 292.015



40, 3.448, 249.224



38, 44.914, 276.377



6, 12.991, 263.896

Inverse Universe

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



62, 33.738, 343.358



74, 49.704, 344.218



77, 34.018, 103.789



39, 5.439, 340.983



35, 61.812, 355.591



4, 18.573, 348.955

Previews

White Background



This preview shows how the CIELCh color 67, 20.433, 253.398 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 67, 20.433, 253.398 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

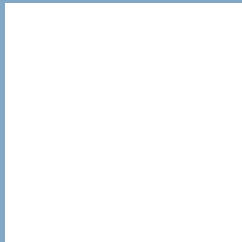
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 67, 20.433, 253.398

Background



This preview shows how black text looks on a background with the CIELCh color 67, 20.433, 253.398.



This preview shows how white text looks on a background with the CIELCh color 67, 20.433, 253.398.

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
67, 20.433, 253.398

Protanopia
67, 17.747, 286.385

Deuteranopia
67, 22.711, 293.351



Tritanopia
67, 16.721, 226.066

Trichromacy



Original Color
67, 20.433, 253.398

Protanomaly
67, 18.433, 273.757

Deuteranomaly
67, 20.793, 280.103

Tritanomaly
67, 17.693, 237.417

Monochromacy



Original Color
67, 20.433, 253.398

Achromatopsia
66, 0.008, 296.813

Achromatomaly
66, 7.820, 250.492

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 20.433, 253.398 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(129, 168, 198)` looks like.

```
.text, #text, p{  
    color:rgb(129, 168, 198)  
}
```

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(129, 168, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 168, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 20.433, 253.398 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(129, 168, 198) }
```

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

```
.border{ border-color:rgb(129, 168, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 168, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(129, 168, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(129, 168, 198); box-shadow:4px 4px 4px 4px rgb(129, 168, 198) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 20.433, 253.398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 168, 198) }
```

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

```
.background{ background-color: rgb(129,  
168, 198) }
```

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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