

Converting Colors

CIELCh(78, 20.770, 240.977)

Have a look what the booklet for
CIELCh(78, 20.770, 240.977)
contains.

CIELCh(78, 20.761, 240.952)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(78, 20.761, 240.952)

Conversions

Conversions Part 1	
Format	Color
Hex	96C8E2
RGB	150, 200, 226
RGB Percent	59%, 78%, 89%
CMY	0.4122, 0.2161, 0.1142
CMYK	0.34, 0.12, 0.00, 0.11
HSL	201°, 57%, 74%
HSV	201°, 34%, 89%
XYZ	46.8947, 53.2120, 79.6651
YIQ	188.0140, -38.1460, -2.5140

Conversions

Conversions Part 2

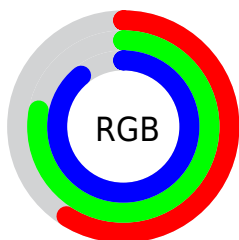
Format	Color
RYB	150, 180, 226
Decimal	9881826
CIELab	78.00, -10.08, -18.15
CIELCh	78, 20.761, 240.952
Yxy	53.2120, 0.2609, 0.2960
Android (android.graphics.Color)	4288071906 (0xFF96C8E2)
YUV	188.0140, 18.7271, -33.3383
Hunter-Lab	72.9466, -12.9054, -13.6882

Details

The CIELCh color **78, 20.761, 240.952** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **76, 25.042, 54.168**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 16.252, 198.426**, and **58, 20.910, 241.513** is the 20% darker color. If you saturate the color by 10%, you get **75, 26.155, 242.891**, and if you desaturate by 10%, it is **81, 14.959, 239.395**.

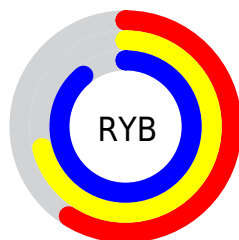
Distribution



Red (59%)

Green (78%)

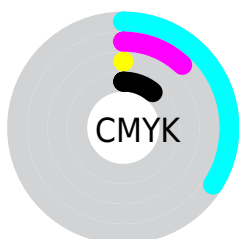
Blue (89%)



Red (59%)

Yellow (71%)

Blue (89%)

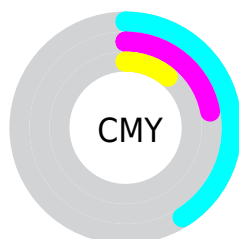


Cyan (34%)

Magenta (12%)

Yellow (0%)

Black (11%)



Cyan (41%)

Magenta (22%)


Yellow (11%)


Brightness & Saturation


Gradients


These gradients show how the CIELCh color 78, 20.761, 240.952 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 78, 20.761, 240.952 by changing the saturation by 10% instead.


 78, 20.761,
240.952


 78, 20.761,
240.952


 100, 20.761,
240.952


 68, 20.761,
240.952


 98, 20.761,
240.952

 58, 20.761,
240.952

 48, 20.761,
240.952

 38, 20.761,
240.952

 28, 20.761,
240.952

 18, 20.761,
240.952

 8, 20.761, 240.952

0, 20.761, 240.952

78, 20.761,
240.952

78, 20.761,
240.952

75, 26.155,
242.891

81, 14.959,
239.395

72, 31.086,
245.305

85, 8.816, 238.164

68, 35.523,
248.276

89, 2.399, 237.315

66, 39.480,
251.880

92, 4.231, 56.155

63, 43.034,
256.149

95, 8.821, 66.625

60, 46.334,
261.028

97, 10.834, 92.218

99, 14.226,
107.591

■ 59, 48.430,
264.275

■ 99, 14.732,
109.064

Harmonies

Complementary

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



78, 20.761, 240.952



76, 25.042, 54.168

Rectangle

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



78, 20.761, 240.952



78, 20.761, 290.952



78, 20.761, 60.952



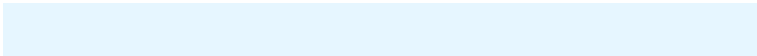
78, 20.761, 110.952

Sweetspot

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



78, 20.760, 240.949



96, 7.178, 237.798



84, 38.169, 152.788



51, 4.884, 237.938



0, 0.000, 0.000



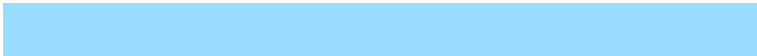
53, 0.007, 296.813

Same Dimension

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



78, 20.760, 240.949



85, 26.724, 242.187



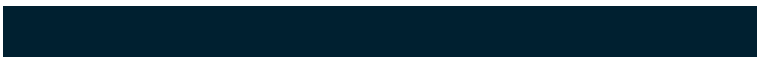
68, 34.986, 287.146



45, 3.679, 237.739



46, 39.765, 263.340



11, 14.894, 253.344

Inverse Universe

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



71, 38.504, 338.655



76, 50.279, 339.265



85, 33.286, 98.494



44, 6.413, 336.676



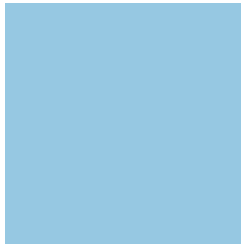
39, 68.179, 348.007



7, 28.627, 343.891

Previews

White Background



This preview shows how the CIELCh color 78, 20.761, 240.952 looks on a white background.

Color Contrast Check

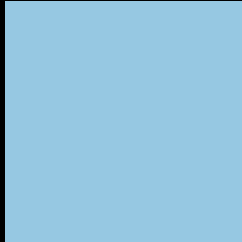
Large Text (above 18pt) WCAG AA × Fail

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 78, 20.761, 240.952 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

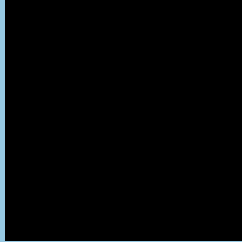
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 78, 20.761, 240.952

Background



This preview shows how black text looks on a background with the CIELCh color 78, 20.761, 240.952.



This preview shows how white text looks on a background with the CIELCh color 78, 20.761, 240.952.

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

78, 20.761, 240.952

Protanopia

78, 15.580, 286.530

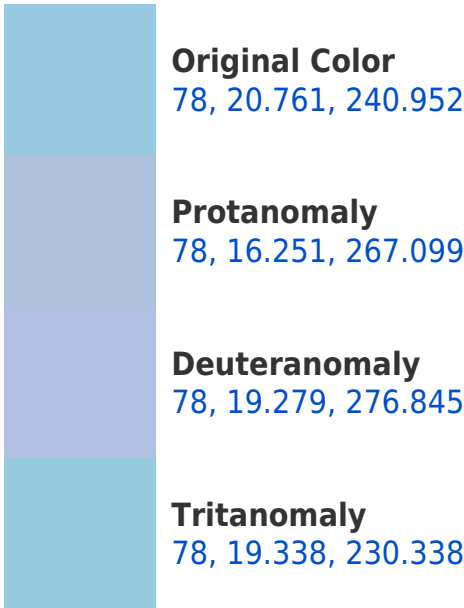
Deuteranopia

78, 21.576, 296.627



Tritanopia
78, 18.982, 225.332

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 20.761, 240.952 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(150, 200, 226)` looks like.

```
.text, #text, p{  
    color:rgb(150, 200, 226)  
}
```

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(150, 200, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 200, 226) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 20.761, 240.952 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(150, 200, 226) }
```

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

```
.border{ border-color:rgb(150, 200, 226) }
```

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

Here you see how a box with a 4 pixel rgb(150, 200, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 200, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 200, 226);  
box-shadow:4px 4px 4px 4px rgb(150, 200,  
226) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 20.761, 240.952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 200, 226) }
```

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

```
.background{ background-color: rgb(150,  
200, 226) }
```

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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