

Converting Colors

CIELCh(77, 25.410, 247.900)

Have a look what the booklet for
CIELCh(77, 25.410, 247.900)
contains.

CIELCh(77, 25.470, 248.363)	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(77, 25.470, 248.363)

Conversions

Conversions Part 1

Format	Color
Hex	8CC5E9
RGB	140, 197, 233
RGB Percent	55%, 77%, 91%
CMY	0.4500, 0.2265, 0.0853
CMYK	0.40, 0.15, 0.00, 0.09
HSL	203°, 68%, 73%
HSV	203°, 40%, 91%
XYZ	45.6169, 51.5317, 84.8138
YIQ	184.0610, -45.5280, -0.8880

Conversions

Conversions Part 2

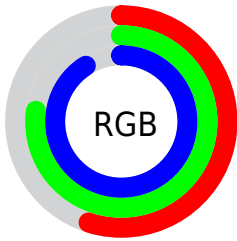
Format	Color
RYB	140, 175, 233
Decimal	9225705
CIELab	77.00, -9.39, -23.68
CIElCh	77, 25.470, 248.363
Yxy	51.5317, 0.2507, 0.2832
Android (android.graphics.Color)	4287415785 (0xFF8CC5E9)
YUV	184.0610, 24.1269, -38.6415
Hunter-Lab	71.7856, -12.1951, -19.8004

Details

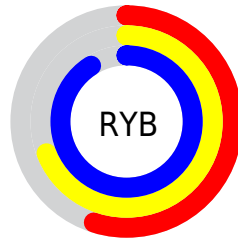
The CIELCh color **77, 25.470, 248.363** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **76, 31.057, 58.560**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 18.674, 199.855**, and **57, 25.412, 248.640** is the 20% darker color. If you saturate the color by 10%, you get **73, 31.064, 250.793**, and if you desaturate by 10%, it is **81, 19.506, 246.378**.

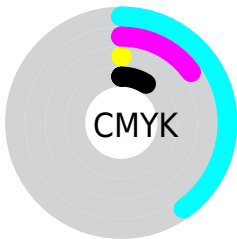
Distribution



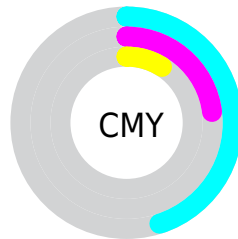
- Red (55%)
- Green (77%)
- Blue (91%)



- Red (55%)
- Yellow (69%)
- Blue (91%)



- Cyan (40%)
- Magenta (15%)
- Yellow (0%)
- Black (9%)



- Cyan (45%)
- Magenta (23%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 25.470, 248.363 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 77, 25.470, 248.363 by changing the saturation by 10% instead.

■ 77, 25.470,
248.363

■ 77, 25.470,
248.363

■ 100, 25.470,
248.363

■ 67, 25.470,
248.363

■ 97, 25.470,
248.363

■ 57, 25.470,
248.363

■ 47, 25.470,
248.363

■ 37, 25.470,
248.363

■ 27, 25.470,
248.363

■ 17, 25.470,
248.363

■ 7, 25.470, 248.363

0, 25.470, 248.363

77, 25.470,
248.363

77, 25.470,
248.363

73, 31.064,
250.793

81, 19.506,
246.378

70, 36.264,
253.753

85, 13.222,
244.769

67, 41.080,
257.308

89, 6.675, 243.481

63, 45.581,
261.484

92, 0.081, 56.009

60, 49.897,
266.230

96, 6.501, 65.327

58, 54.239,
271.293

99, 9.302, 101.480

99, 11.013,
109.344

■ 58, 54.296,
271.355

Harmonies

Complementary

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



77, 25.470, 248.363



76, 31.057, 58.560

Rectangle

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



77, 25.470, 248.363



77, 25.470, 298.363



77, 25.470, 68.363



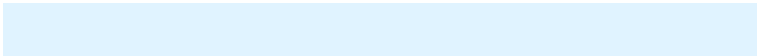
77, 25.470, 118.363

Sweetspot

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



77, 25.469, 248.361



95, 8.692, 243.735



86, 44.398, 154.163



50, 5.754, 243.895



0, 0.000, 0.000



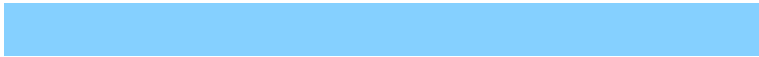
53, 0.007, 296.813

Same Dimension

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



77, 25.469, 248.361



80, 32.279, 250.360



65, 45.702, 290.802



47, 3.861, 243.436



45, 44.351, 270.451



12, 17.058, 261.514

Inverse Universe

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



70, 45.302, 341.450



71, 57.994, 342.366



88, 42.302, 100.630



46, 6.442, 338.709



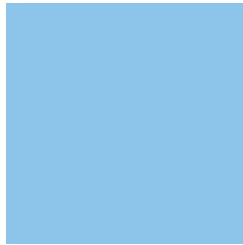
40, 67.994, 351.750



8, 30.007, 347.162

Previews

White Background



This preview shows how the CIELCh color 77, 25.470, 248.363 looks on a white background.

Color Contrast Check

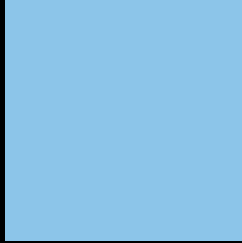
Large Text (above 18pt) WCAG AA × Fail

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 77, 25.470, 248.363 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

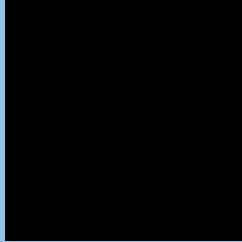
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 25.470, 248.363

Background



This preview shows how black text looks on a background with the CIELCh color 77, 25.470, 248.363.



This preview shows how white text looks on a background with the CIELCh color 77, 25.470, 248.363.

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

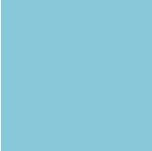
77, 25.470, 248.363

Protanopia

77, 21.038, 285.698

Deuteranopia

77, 26.887, 291.217



Tritanopia
77, 21.806, 221.454

Trichromacy



Original Color
77, 25.470, 248.363

Protanomaly
77, 21.715, 270.008

Deuteranomaly
77, 24.957, 275.895

Tritanomaly
77, 22.390, 231.982

Monochromacy



Original Color
77, 25.470, 248.363

Achromatopsia
75, 0.009, 296.813

Achromatomaly
75, 9.998, 243.714

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 25.470, 248.363 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(140, 197, 233)` looks like.

```
.text, #text, p{  
    color:rgb(140, 197, 233)  
}
```

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(140, 197, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 197, 233) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 25.470, 248.363 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(140, 197, 233) }
```

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

```
.border{ border-color:rgb(140, 197, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 197, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 197, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 197, 233);  
box-shadow:4px 4px 4px 4px rgb(140, 197,  
233) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 25.470, 248.363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 197, 233) }
```

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

```
.background{ background-color: rgb(140,  
197, 233) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor