

Converting Colors

CIELCh(76, 30.920, 223.682)

Have a look what the booklet for
CIELCh(76, 30.920, 223.682)
contains.

CIELCh(76, 31.032, 223.544)	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(76, 31.032, 223.544)

Conversions

Conversions Part 1

Format	Color
Hex	64C9E2
RGB	100, 201, 226
RGB Percent	39%, 79%, 89%
CMY	0.6085, 0.2123, 0.1143
CMYK	0.56, 0.11, 0.00, 0.11
HSL	192°, 68%, 64%
HSV	192°, 56%, 89%
XYZ	39.7966, 49.8872, 79.3744
YIQ	173.6510, -68.2210, -13.6370

Conversions

Conversions Part 2

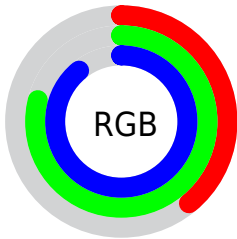
Format	Color
RYB	100, 156, 226
Decimal	6605282
CIELab	76.00, -22.49, -21.38
CIElCh	76, 31.032, 223.544
Yxy	49.8872, 0.2354, 0.2951
Android (android.graphics.Color)	4284795362 (0xFF64C9E2)
YUV	173.6510, 25.8081, -64.5919
Hunter-Lab	70.6309, -23.0291, -17.1879

Details

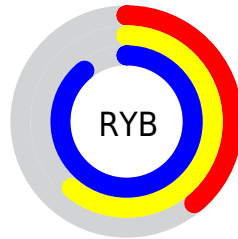
The CIELCh color **76, 31.032, 223.544** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **63, 47.932, 40.083**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 29.391, 197.607**, and **56, 31.110, 223.635** is the 20% darker color. If you saturate the color by 10%, you get **74, 34.398, 225.355**, and if you desaturate by 10%, it is **78, 26.864, 222.159**.

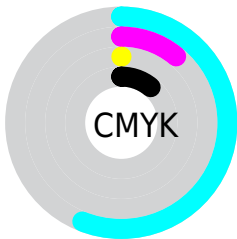
Distribution



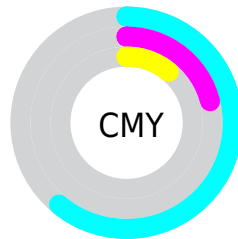
- Red (39%)
- Green (79%)
- Blue (89%)



- Red (39%)
- Yellow (61%)
- Blue (89%)



- Cyan (56%)
- Magenta (11%)
- Yellow (0%)
- Black (11%)





- Cyan (61%)
- Magenta (21%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 31.032, 223.544 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 76, 31.032, 223.544 by changing the saturation by 10% instead.


 76, 31.032,
223.544


 76, 31.032,
223.544


 100, 31.032,
223.544


 66, 31.032,
223.544


 96, 31.032,
223.544

 56, 31.032,
223.544

 46, 31.032,
223.544

 36, 31.032,
223.544

 26, 31.032,
223.544

 16, 31.032,
223.544

 6, 31.032, 223.544

0, 31.032, 223.544

76, 31.032,
223.544

76, 31.032,
223.544

74, 34.398,
225.355

78, 26.864,
222.159

72, 36.934,
227.681

80, 21.970,
221.126

71, 38.675,
230.600

83, 16.444,
220.375

69, 39.745,
234.159

86, 10.391,
219.857

68, 40.103,
235.772

88, 3.912, 219.585

91, 2.900, 38.996

94, 8.937, 41.250

■ 95, 8.682, 59.355

■ 96, 9.300, 76.674

Harmonies

Complementary

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



76, 31.032, 223.544



63, 47.932, 40.083

Rectangle

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



76, 31.032, 223.544



76, 31.032, 273.544



76, 31.032, 43.544



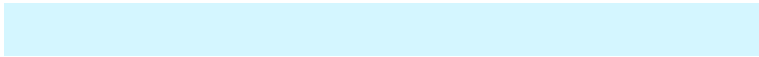
76, 31.032, 93.544

Sweetspot

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



76, 31.031, 223.543



95, 12.296, 219.913



81, 69.054, 144.735



50, 8.175, 220.006



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



76, 31.031, 223.543



82, 38.227, 225.703



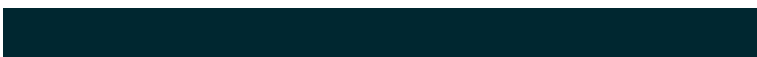
59, 49.289, 283.129



46, 3.781, 219.643



54, 33.225, 235.057



14, 13.540, 228.027

Inverse Universe

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



61, 67.773, 334.238



64, 85.802, 335.136



77, 48.658, 85.000



44, 7.105, 331.030



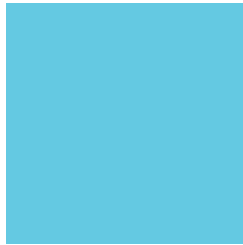
40, 75.049, 338.014



7, 31.413, 336.117

Previews

White Background



This preview shows how the CIELCh color 76, 31.032, 223.544 looks on a white background.

Color Contrast Check

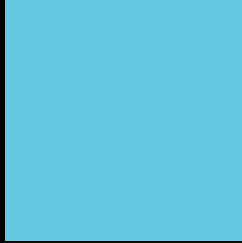
Large Text (above 18pt) WCAG AA × Fail

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 76, 31.032, 223.544 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 76, 31.032, 223.544

Background



This preview shows how black text looks on a background with the CIELCh color 76, 31.032, 223.544.



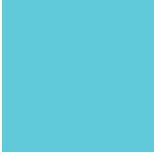
This preview shows how white text looks on a background with the CIELCh color 76, 31.032, 223.544.

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](#).

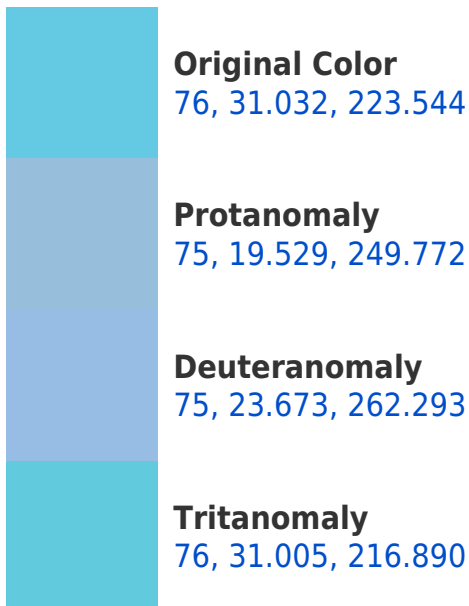
Dichromacy





Tritanopia
76, 31.031, 213.651

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 31.032, 223.544 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(100, 201, 226)` looks like.

```
.text, #text, p{  
    color:rgb(100, 201, 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(100, 201, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 201, 226) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 31.032, 223.544 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(100, 201, 226) }
```

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

```
.border{ border-color:rgb(100, 201, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 201, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 201, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 201, 226);  
box-shadow:4px 4px 4px 4px rgb(100, 201,  
226) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 31.032, 223.544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 201, 226) }
```

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

```
.background{ background-color: rgb(100,  
201, 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](#).

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