

Converting Colors

CIELCh(69, 25.994, 222.383)

Have a look what the booklet for
CIELCh(69, 25.994, 222.383)
contains.

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Color

CIELCh(69, 25.920, 221.659)

Conversions

Conversions Part 1

Format	Color
Hex	64B4C7
RGB	100, 180, 199
RGB Percent	39%, 71%, 78%
CMY	0.6089, 0.2951, 0.2206
CMYK	0.50, 0.10, 0.00, 0.22
HSL	192°, 47%, 59%
HSV	192°, 50%, 78%
XYZ	31.7738, 39.3444, 59.7940
YIQ	158.2460, -53.7790, -11.0510

Conversions

Conversions Part 2

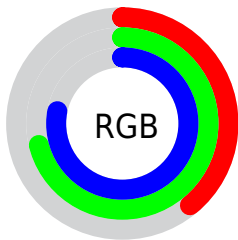
Format	Color
R _Y B	100, 144, 199
Decimal	6599879
CIE Lab	69.00, -19.37, -17.23
CIE LCh	69, 25.920, 221.659
Yxy	39.3444, 0.2427, 0.3005
Android (android.graphics.Color)	4284789959 (0xFF64B4C7)
YUV	158.2460, 20.0917, -51.0817
Hunter-Lab	62.7251, -19.3485, -12.6119

Details

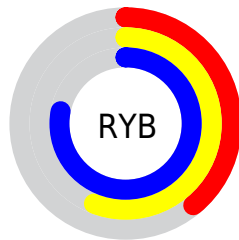
The CIELCh color **69, 25.920, 221.659** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **58, 37.783, 39.131**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 25.759, 220.773**, and **49, 25.905, 221.579** is the 20% darker color. If you saturate the color by 10%, you get **67, 29.414, 223.106**, and if you desaturate by 10%, it is **71, 21.739, 220.569**.

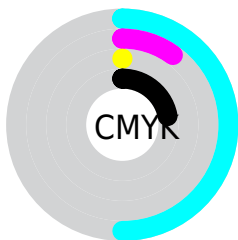
Distribution



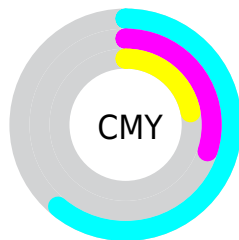
- Red (39%)
- Green (71%)
- Blue (78%)



- Red (39%)
- Yellow (56%)
- Blue (78%)



- Cyan (50%)
- Magenta (10%)
- Yellow (0%)
- Black (22%)





- Cyan (61%)
- Magenta (30%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 25.920, 221.659 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 69, 25.920, 221.659 by changing the saturation by 10% instead.


 69, 25.920,
221.659


 69, 25.920,
221.659


 100, 25.920,
221.659


 59, 25.920,
221.659


 89, 25.920,
221.659

 49, 25.920,
221.659

 99, 25.920,
221.659

 39, 25.920,
221.659

 29, 25.920,
221.659

 19, 25.920,
221.659

 9, 25.920, 221.659

 0, 25.920, 221.659

69, 25.920,
221.659

69, 25.920,
221.659

67, 29.414,
223.106

71, 21.739,
220.569

65, 32.167,
224.994

73, 16.954,
219.773

64, 34.170,
227.402

75, 11.656,
219.215

63, 35.475,
230.400

78, 5.939, 218.869

61, 36.287,
233.931

80, 0.112, 33.683

83, 6.419, 38.308

61, 36.301,
233.996

85, 12.918, 38.298

88, 18.164, 39.645

89, 17.612, 47.031

Harmonies

Complementary

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



69, 25.920, 221.659



58, 37.783, 39.131

Rectangle

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



69, 25.920, 221.659



69, 25.920, 271.659



69, 25.920, 41.659



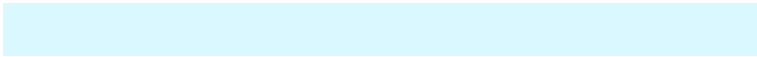
69, 25.920, 91.659

Sweetspot

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



69, 25.919, 221.657



96, 10.950, 219.029



73, 56.188, 145.561



50, 7.424, 219.110



0, 0.000, 0.000



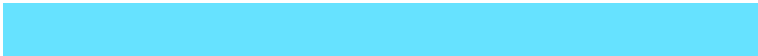
53, 0.007, 296.813

Same Dimension

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



69, 25.919, 221.657



84, 35.885, 223.286



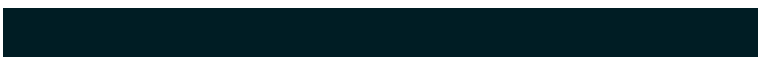
55, 39.395, 281.405



41, 3.437, 218.860



51, 31.331, 233.399



9, 11.191, 224.796

Inverse Universe

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



57, 55.699, 333.511



67, 79.532, 334.313



70, 39.133, 85.915



39, 6.462, 330.793



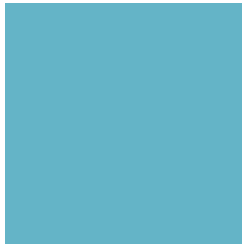
37, 71.395, 337.558



4, 22.610, 334.620

Previews

White Background



This preview shows how the CIELCh color 69, 25.920, 221.659 looks on a white background.

Color Contrast Check

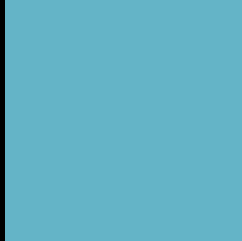
Large Text (above 18pt) WCAG AA × Fail

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 69, 25.920, 221.659 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

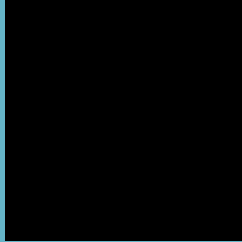
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 25.920, 221.659

Background



This preview shows how black text looks on a background with the CIELCh color 69, 25.920, 221.659.



This preview shows how white text looks on a background with the CIELCh color 69, 25.920, 221.659.

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
69, 25.920, 221.659

Protanopia
69, 13.211, 288.431

Deuteranopia
69, 20.970, 295.092



Tritanopia
69, 25.953, 216.278

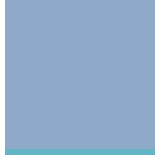
Trichromacy



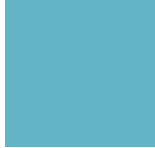
Original Color
69, 25.920, 221.659



Protanomaly
68, 15.522, 250.412



Deuteranomaly
69, 18.967, 263.587



Tritanomaly
69, 25.816, 217.717

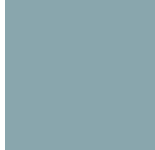
Monochromacy



Original Color
69, 25.920, 221.659



Achromatopsia
65, 0.008, 296.813



Achromatomaly
66, 10.892, 219.577

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 25.920, 221.659 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, 180, 199)` looks like.

```
.text, #text, p{  
    color:rgb(100, 180, 199)  
}
```

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, 180, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 180, 199) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 25.920, 221.659 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, 180, 199) }
```

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

```
.border{ border-color:rgb(100, 180, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 180, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 180, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 180, 199);  
box-shadow:4px 4px 4px 4px rgb(100, 180,  
199) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 25.920, 221.659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 180, 199) }
```

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

```
.background{ background-color: rgb(100,  
180, 199) }
```

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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