

Converting Colors

CIELCh(70, 45.194, 248.164)

Have a look what the booklet for
CIELCh(70, 45.194, 248.164)
contains.

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Color

CIELCh(70, 45.164, 248.233)

Conversions

Conversions Part 1

Format	Color
Hex	00B8F6
RGB	0, 184, 246
RGB Percent	0%, 72%, 96%
CMY	1.0000, 0.2803, 0.0333
CMYK	1.00, 0.26, 0.00, 0.03
HSL	195°, 100%, 48%
HSV	195°, 100%, 97%
XYZ	33.7149, 40.7494, 93.6777
YIQ	136.0520, -129.5660, -19.7260

Conversions

Conversions Part 2

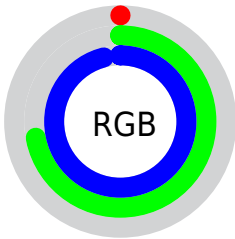
Format	Color
RYB	0, 105, 246
Decimal	47350
CIELab	70.00, -16.75, -41.94
CIElCh	70, 45.164, 248.233
Yxy	40.7494, 0.2005, 0.2424
Android (android.graphics.Color)	4278237430 (0xFF00B8F6)
YUV	136.0520, 54.2044, -119.3176
Hunter-Lab	63.8353, -17.4360, -42.3229

Details

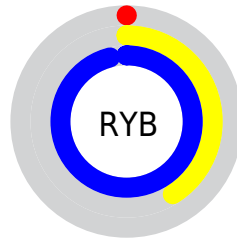
The CIELCh color **70, 45.164, 248.233** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle saturated azure. A complement of this color would be **55, 94.907, 44.944**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **88, 36.266, 209.835**, and **52, 39.560, 257.478** is the 20% darker color. If you saturate the color by 10%, you get **70, 45.115, 248.309**, and if you desaturate by 10%, it is **72, 43.339, 243.645**.

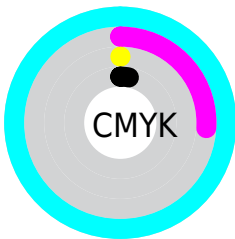
Distribution



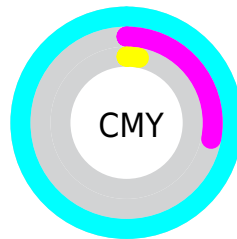
- Red (0%)
- Green (72%)
- Blue (96%)



- Red (0%)
- Yellow (41%)
- Blue (96%)



- Cyan (100%)
- Magenta (26%)
- Yellow (0%)
- Black (3%)





- Cyan (100%)
- Magenta (28%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 45.164, 248.233 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 70, 45.164, 248.233 by changing the saturation by 10% instead.


 70, 45.164,
248.233


 70, 45.164,
248.233


 100, 45.164,
248.233


 60, 45.164,
248.233


 90, 45.164,
248.233

 50, 45.164,
248.233

 40, 45.164,
248.233

 30, 45.164,
248.233

 20, 45.164,
248.233

 10, 45.164,
248.233

 0, 45.164, 248.233

■ 70, 45.164,
248.233

■ 70, 45.164,
248.233

■ 70, 45.115,
248.309

■ 72, 43.339,
243.645

■ 74, 41.178,
239.574

■ 76, 38.383,
236.210

■ 79, 34.848,
233.501

■ 82, 30.552,
231.360

■ 84, 25.536,
229.691

■ 87, 19.877,
228.406

■ 90, 13.671,

227.432

 94, 7.016, 226.725

Harmonies

Complementary

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



70, 45.164, 248.233



55, 94.907, 44.944

Rectangle

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



70, 45.164, 248.233



70, 45.164, 298.233



70, 45.164, 68.233



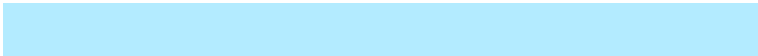
70, 45.164, 118.233

Sweetspot

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



70, 45.115, 248.309



90, 20.427, 228.412



85, 107.650, 139.399



47, 13.730, 228.914



0, 0.000, 0.000



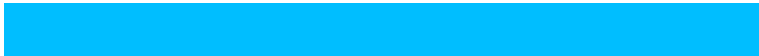
53, 0.007, 296.813

Same Dimension

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



70, 45.115, 248.309



72, 46.316, 248.404



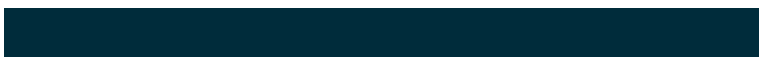
38, 109.346, 301.141



49, 3.970, 226.697



54, 36.346, 247.397



16, 15.635, 240.290

Inverse Universe

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



55, 92.385, 342.041



57, 94.758, 342.073



79, 81.596, 83.004



48, 7.328, 333.139



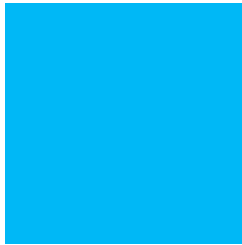
42, 75.057, 341.737



10, 34.181, 339.514

Previews

White Background



This preview shows how the CIE LCh color 70, 45.164, 248.233 looks on a white background.

Color Contrast Check

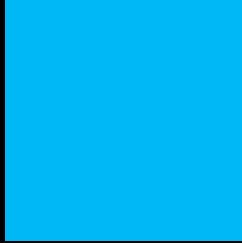
Large Text (above 18pt) WCAG AA × Fail

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 70, 45.164, 248.233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

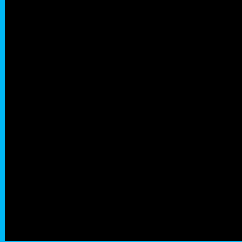
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 45.164, 248.233

Background



This preview shows how black text looks on a background with the CIELCh color 70, 45.164, 248.233.



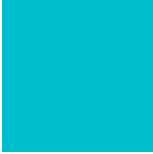
This preview shows how white text looks on a background with the CIELCh color 70, 45.164, 248.233.

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
70, 38.641, 208.238

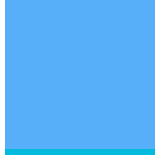
Trichromacy



Original Color
70, 44.857, 247.592



Protanomaly
69, 40.108, 262.481



Deuteranomaly
69, 45.127, 265.653



Tritanomaly
70, 38.871, 224.175

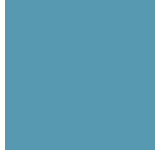
Monochromacy



Original Color
70, 44.857, 247.592



Achromatopsia
57, 0.007, 296.813



Achromatomaly
60, 23.559, 231.719

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 45.164, 248.233 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(0, 184, 246)` looks like.

```
.text, #text, p{  
    color:rgb(0, 184, 246)  
}
```

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(0, 184, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 184, 246) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 45.164, 248.233 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(0, 184, 246) }
```

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

```
.border{ border-color:rgb(0, 184, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 184, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 184, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 184, 246);  
box-shadow:4px 4px 4px 4px rgb(0, 184,  
246) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 45.164, 248.233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 184, 246) }
```

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

```
.background{ background-color: rgb(0, 184,  
246) }
```

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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