

Converting Colors

CIELCh(70, 46.366, 264.857)

Have a look what the booklet for
CIELCh(70, 46.366, 264.857)
contains.

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Color

CIELCh(70, 45.983, 264.408)

Conversions

Conversions Part 1

Format	Color
Hex	54B2FE
RGB	84, 178, 254
RGB Percent	33%, 70%, 100%
CMY	0.6718, 0.3029, 0.0050
CMYK	0.67, 0.30, 0.00, 0.00
HSL	207°, 99%, 66%
HSV	207°, 67%, 100%
XYZ	37.3435, 40.7494, 99.4361
YIQ	158.5580, -80.4200, 3.7080

Conversions

Conversions Part 2

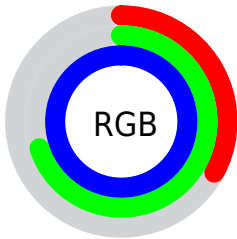
Format	Color
R _Y B	84, 145, 254
Decimal	5550846
CIE Lab	70.00, -4.48, -45.76
CIE LCh	70, 45.983, 264.408
Yxy	40.7494, 0.2104, 0.2295
Android (android.graphics.Color)	4283740926 (0xFF54B2FE)
YUV	158.5580, 47.0529, -65.3874
Hunter-Lab	63.8353, -7.2896, -47.6713

Details

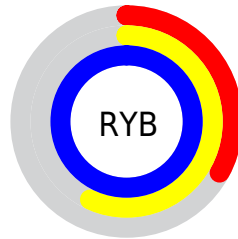
The CIELCh color **70, 45.983, 264.408** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **74, 60.301, 61.820**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 27.332, 223.016**, and **51, 45.006, 266.754** is the 20% darker color. If you saturate the color by 10%, you get **66, 51.957, 268.477**, and if you desaturate by 10%, it is **74, 39.822, 260.900**.

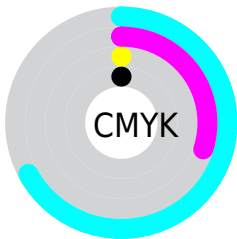
Distribution



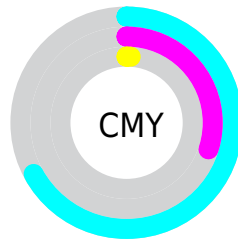
- Red (33%)
- Green (70%)
- Blue (100%)



- Red (33%)
- Yellow (57%)
- Blue (100%)



- Cyan (67%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)





- Cyan (67%)
- Magenta (30%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 45.983, 264.408 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, 45.983, 264.408 by changing the saturation by 10% instead.


 70, 45.983,
264.408


 70, 45.983,
264.408


 100, 45.983,
264.408


 60, 45.983,
264.408


 90, 45.983,
264.408

 50, 45.983,
264.408

 40, 45.983,
264.408

 30, 45.983,
264.408

 20, 45.983,
264.408

 10, 45.983,
264.408

 0, 45.983, 264.408

■ 70, 45.983,
264.408

■ 70, 45.983,
264.408

■ 66, 51.957,
268.477

■ 74, 39.822,
260.900

■ 62, 57.873,
273.041

■ 78, 33.408,
257.939

■ 59, 63.891,
277.926

■ 83, 26.720,
255.471

■ 58, 65.743,
279.346

■ 87, 19.773,
253.428

■ 92, 12.602,
251.743

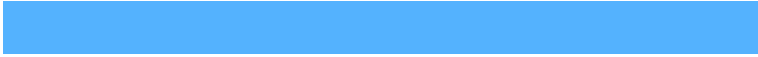
■ 96, 5.251, 250.386

100, 0.632,
110.008

Harmonies

Complementary

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



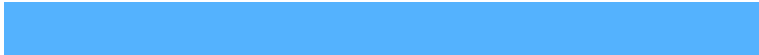
70, 45.983, 264.408



74, 60.301, 61.820

Rectangle

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



70, 45.983, 264.408



70, 45.983, 314.408



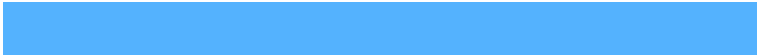
70, 45.983, 84.408



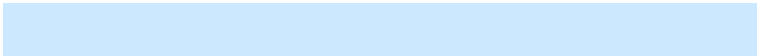
70, 45.983, 134.408

Sweetspot

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



70, 45.982, 264.409



91, 14.819, 252.212



89, 72.633, 152.370



47, 10.078, 252.679



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, 45.982, 264.409



65, 53.936, 269.800



49, 91.857, 299.134



51, 4.259, 250.689



44, 52.326, 278.457



13, 21.572, 271.514

Inverse Universe

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



62, 73.574, 348.648



58, 81.763, 351.491



94, 75.679, 100.591



50, 6.618, 341.613



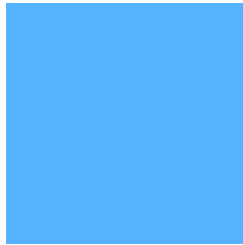
41, 69.116, 357.142



11, 32.469, 352.384

Previews

White Background



This preview shows how the CIELCh color 70, 45.983, 264.408 looks on a white background.

Color Contrast Check

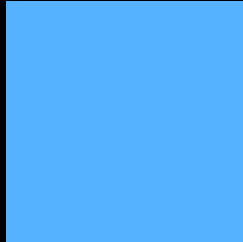
Large Text (above 18pt) WCAG AA × Fail

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, 45.983, 264.408 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

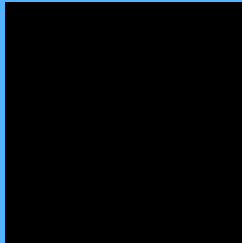
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

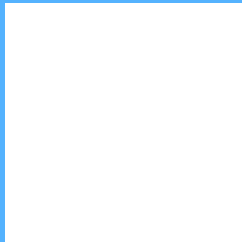
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 45.983, 264.408

Background



This preview shows how black text looks on a background with the CIELCh color 70, 45.983, 264.408.



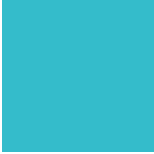
This preview shows how white text looks on a background with the CIELCh color 70, 45.983, 264.408.

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, 35.255, 210.537

Trichromacy



Original Color
70, 45.983, 264.408

Protanomaly
70, 43.525, 276.494

Deuteranomaly
70, 47.085, 275.555

Tritanomaly
70, 35.308, 232.959

Monochromacy



Original Color
70, 45.983, 264.408

Achromatopsia
65, 0.008, 296.813

Achromatomaly
66, 18.789, 254.901

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 45.983, 264.408 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(84, 178, 254)` looks like.

```
.text, #text, p{  
    color:rgb(84, 178, 254)  
}
```

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(84, 178, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 178, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 45.983, 264.408 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(84, 178, 254) }
```

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

```
.border{ border-color:rgb(84, 178, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 178, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 178, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 178, 254);  
box-shadow:4px 4px 4px 4px rgb(84, 178,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 45.983, 264.408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 178, 254) }
```

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

```
.background{ background-color: rgb(84, 178,  
254) }
```

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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