

Converting Colors

CIELCh(70, 41.102, 268.410)

Have a look what the booklet for
CIELCh(70, 41.102, 268.410)
contains.

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Color

CIELCh(70, 41.172, 268.587)

Conversions

Conversions Part 1

Format	Color
Hex	6EAF55
RGB	110, 175, 245
RGB Percent	43%, 69%, 96%
CMY	0.5671, 0.3124, 0.0378
CMYK	0.55, 0.29, 0.00, 0.04
HSL	211°, 88%, 70%
HSV	211°, 55%, 96%
XYZ	38.4137, 40.7494, 92.5237
YIQ	163.5450, -61.2100, 7.9900

Conversions

Conversions Part 2

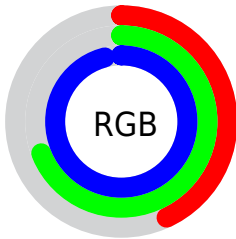
Format	Color
R _Y B	110, 154, 245
Decimal	7254005
CIE Lab	70.00, -1.02, -41.16
CIE LCh	70, 41.172, 268.587
Yxy	40.7494, 0.2237, 0.2373
Android (android.graphics.Color)	4285444085 (0xFF6EAF5)
YUV	163.5450, 40.1573, -46.9590
Hunter-Lab	63.8353, -4.2969, -41.2511

Details

The CIELCh color `70, 41.172, 268.587` is a light color, and the websafe version is hex `6699CC`. A complement of this color would be `78, 47.406, 70.271`, and the grayscale version is `67, 0.008, 296.813`.

A 20% lighter version of the original color is `88, 22.657, 233.814`, and `50, 40.919, 268.277` is the 20% darker color. If you saturate the color by 10%, you get `65, 48.369, 271.938`, and if you desaturate by 10%, it is `75, 33.899, 265.720`.

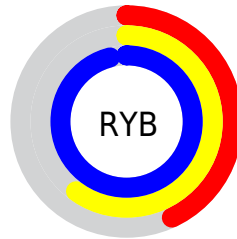
Distribution



Red (43%)

Green (69%)

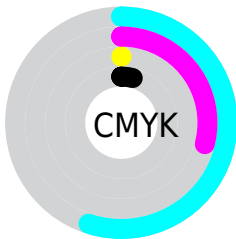
Blue (96%)



Red (43%)

Yellow (60%)

Blue (96%)

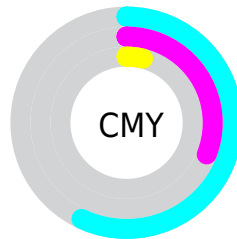


Cyan (55%)

Magenta (29%)

Yellow (0%)

Black (4%)



Cyan (57%)


Magenta (31%)


Yellow (4%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 41.172, 268.587 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, 41.172, 268.587 by changing the saturation by 10% instead.


 70, 41.172,
268.587


 70, 41.172,
268.587


 100, 41.172,
268.587


 60, 41.172,
268.587


 90, 41.172,
268.587

 50, 41.172,
268.587

 40, 41.172,
268.587

 30, 41.172,
268.587

 20, 41.172,
268.587

 10, 41.172,
268.587

 0, 41.172, 268.587

70, 41.172,
268.587

70, 41.172,
268.587

65, 48.369,
271.938

75, 33.899,
265.720

61, 55.560,
275.770

79, 26.524,
263.295

57, 62.840,
280.013

84, 19.045,
261.258

53, 70.311,
284.503

89, 11.478,
259.552

51, 74.144,
286.696

94, 3.847, 258.172

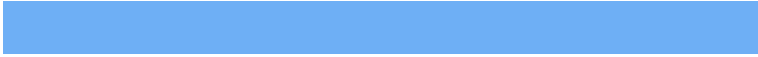
99, 3.409, 90.006

100, 4.871,
109.798

Harmonies

Complementary

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



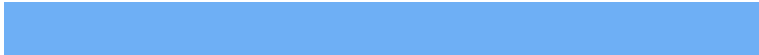
70, 41.172, 268.587



78, 47.406, 70.271

Rectangle

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



70, 41.172, 268.587



70, 41.172, 318.587



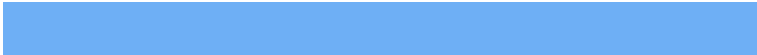
70, 41.172, 88.587



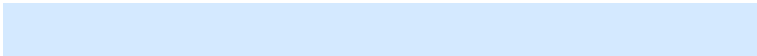
70, 41.172, 138.587

Sweetspot

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



70, 41.171, 268.587



91, 13.401, 259.873



88, 55.609, 158.447



48, 8.956, 260.204



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, 41.171, 268.587



67, 50.632, 272.345



53, 77.380, 298.999



49, 4.346, 258.741



39, 59.212, 285.885



10, 22.921, 278.757

Inverse Universe

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



65, 59.104, 351.097



62, 70.713, 353.293



94, 65.935, 105.788



48, 6.096, 345.441



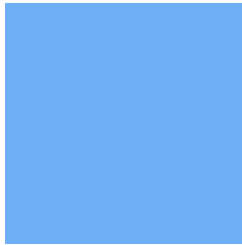
40, 66.737, 3.819



9, 30.093, 357.376

Previews

White Background



This preview shows how the CIELCh color 70, 41.172, 268.587 looks on a white background.

Color Contrast Check

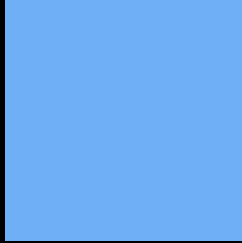
Large Text (above 18pt) WCAG AA × Fail

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, 41.172, 268.587 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

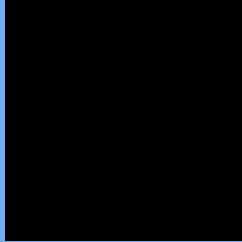
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

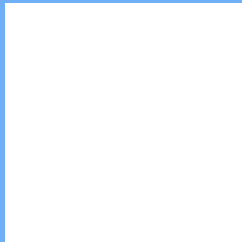
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 41.172, 268.587

Background



This preview shows how black text looks on a background with the CIELCh color 70, 41.172, 268.587.



This preview shows how white text looks on a background with the CIELCh color 70, 41.172, 268.587.

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, 27.909, 214.744

Trichromacy



Original Color
70, 41.172, 268.587

Protanomaly
70, 39.300, 278.003

Deuteranomaly
70, 42.154, 277.779

Tritanomaly
70, 29.527, 238.895

Monochromacy



Original Color
70, 41.172, 268.587

Achromatopsia
67, 0.008, 296.813

Achromatomaly
68, 16.085, 262.488

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 41.172, 268.587 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(110, 175, 245)` looks like.

```
.text, #text, p{  
    color:rgb(110, 175, 245)  
}
```

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(110, 175, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 175, 245) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 41.172, 268.587 is called "border". The border property can be set on classes, ids or directly on the HTML element.

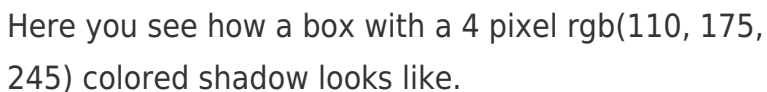
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(110, 175, 245) }
```

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

```
.border{ border-color:rgb(110, 175, 245) }
```

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



Here you see how a box with a 4 pixel `rgb(110, 175, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 175, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 175, 245);  
box-shadow:4px 4px 4px 4px rgb(110, 175,  
245) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 41.172, 268.587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 175, 245) }
```

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

```
.background{ background-color: rgb(110,  
175, 245) }
```

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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