

Converting Colors

CIELCh(64, 52.628, 283.402)

Have a look what the booklet for
CIELCh(64, 52.628, 283.402)
contains.

CIELCh(64, 52.332, 283.336)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(64, 52.332, 283.336)

Conversions

Conversions Part 1

Format	Color
Hex	6F99F6
RGB	111, 153, 246
RGB Percent	44%, 60%, 96%
CMY	0.5648, 0.4001, 0.0354
CMYK	0.55, 0.38, 0.00, 0.04
HSL	221°, 88%, 70%
HSV	221°, 55%, 96%
XYZ	34.5671, 32.8017, 91.6714
YIQ	151.0440, -54.8850, 20.0190

Conversions

Conversions Part 2

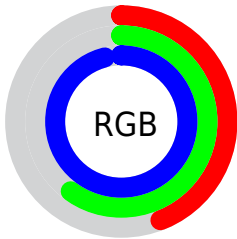
Format	Color
RYB	111, 143, 246
Decimal	7313910
CIELab	64.00, 12.07, -50.92
CIELCh	64, 52.332, 283.336
Yxy	32.8017, 0.2173, 0.2062
Android (android.graphics.Color)	4285503990 (0xFF6F99F6)
YUV	151.0440, 46.8133, -35.1186
Hunter-Lab	57.2727, 7.5067, -54.8093

Details

The CIELCh color **64, 52.332, 283.336** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **84, 51.487, 85.545**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 27.469, 267.638**, and **44, 51.989, 283.005** is the 20% darker color. If you saturate the color by 10%, you get **58, 62.617, 286.324**, and if you desaturate by 10%, it is **70, 42.326, 280.721**.

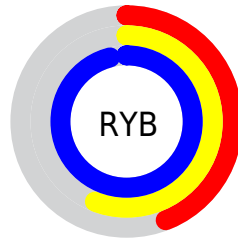
Distribution



Red (44%)

Green (60%)

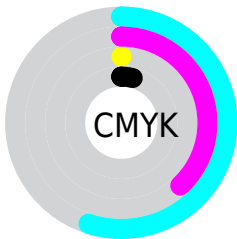
Blue (96%)



Red (44%)

Yellow (56%)

Blue (96%)

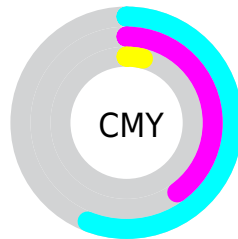


Cyan (55%)

Magenta (38%)

Yellow (0%)

Black (4%)



Cyan (56%)


Magenta (40%)


Yellow (4%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 52.332, 283.336 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 64, 52.332, 283.336 by changing the saturation by 10% instead.


 64, 52.332,
283.336


 64, 52.332,
283.336


 100, 52.332,
283.336


 54, 52.332,
283.336


 84, 52.332,
283.336

 44, 52.332,
283.336

 94, 52.332,
283.336

 34, 52.332,
283.336

 24, 52.332,
283.336

 14, 52.332,
283.336

 4, 52.332, 283.336

 0, 52.332, 283.336

■ 64, 52.332,
283.336

■ 64, 52.332,
283.336

■ 58, 62.617,
286.324

■ 70, 42.326,
280.721

■ 53, 73.208,
289.644

■ 76, 32.562,
278.467

■ 48, 84.050,
293.179

■ 82, 23.005,
276.542

■ 43, 94.911,
296.723

■ 88, 13.634,
274.902

■ 41, 100.341,
298.413

■ 94, 4.439, 273.532

■ 100, 4.387,
108.160

■ 100, 4.569,
109.820

Harmonies

Complementary

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



64, 52.332, 283.336



84, 51.487, 85.545

Rectangle

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



64, 52.332, 283.336



64, 52.332, 333.336



64, 52.332, 103.336



64, 52.332, 153.336

Sweetspot

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



64, 52.331, 283.337



90, 15.108, 275.077



89, 47.918, 168.621



47, 10.219, 275.399



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



64, 52.331, 283.337



60, 65.688, 286.721



55, 77.151, 302.985



48, 5.162, 274.125



31, 79.966, 297.811



7, 30.359, 291.874

Inverse Universe

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



64, 55.760, 3.035



62, 67.758, 6.033



93, 66.738, 113.631



48, 5.510, 356.043



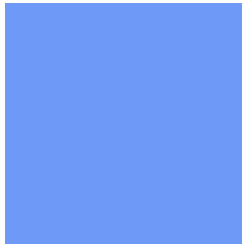
39, 68.875, 20.134



9, 29.656, 10.499

Previews

White Background



This preview shows how the CIELCh color 64, 52.332, 283.336 looks on a white background.

Color Contrast Check

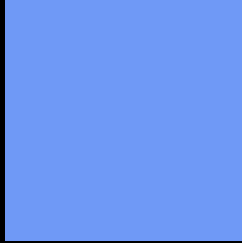
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 64, 52.332, 283.336 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

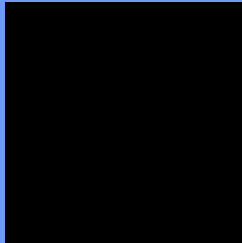
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

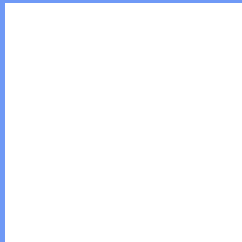
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 52.332, 283.336

Background



This preview shows how black text looks on a background with the CIELCh color 64, 52.332, 283.336.



This preview shows how white text looks on a background with the CIELCh color 64, 52.332, 283.336.

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

64, 52.332, 283.336

Protanopia

64, 52.634, 286.134

Deuteranopia

64, 51.582, 280.396



Tritanopia
64, 25.256, 214.335

Trichromacy



Original Color
64, 52.332, 283.336

Protanomaly
64, 52.173, 284.875

Deuteranomaly
64, 51.987, 281.627

Tritanomaly
64, 29.412, 251.763

Monochromacy



Original Color
64, 52.332, 283.336

Achromatopsia
62, 0.008, 296.813

Achromatomaly
63, 19.622, 276.154

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 52.332, 283.336 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(111, 153, 246)` looks like.

```
.text, #text, p{  
    color:rgb(111, 153, 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(111, 153, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 153, 246) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 52.332, 283.336 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(111, 153, 246) }
```

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

```
.border{ border-color:rgb(111, 153, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 153, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 153, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 153, 246);  
box-shadow:4px 4px 4px 4px rgb(111, 153,  
246) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 52.332, 283.336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 153, 246) }
```

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

```
.background{ background-color: rgb(111,  
153, 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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