

Converting Colors

CIELCh(64, 35.361, 268.991)

Have a look what the booklet for
CIELCh(64, 35.361, 268.991)
contains.

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Color

CIELCh(64, 35.726, 269.527)

Conversions

Conversions Part 1

Format	Color
Hex	6B9EDA
RGB	107, 158, 218
RGB Percent	42%, 62%, 85%
CMY	0.5789, 0.3790, 0.1436
CMYK	0.51, 0.27, 0.00, 0.14
HSL	212°, 60%, 64%
HSV	212°, 51%, 86%
XYZ	31.0971, 32.8017, 71.2751
YIQ	149.5910, -49.6560, 7.8480

Conversions

Conversions Part 2

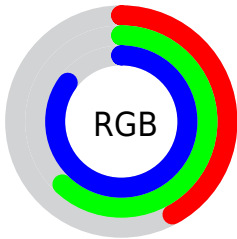
Format	Color
R _Y B	107, 142, 218
Decimal	7053018
CIE Lab	64.00, -0.29, -35.72
CIE LCh	64, 35.726, 269.527
Yxy	32.8017, 0.2301, 0.2427
Android (android.graphics.Color)	4285243098 (0xFF6B9EDA)
YUV	149.5910, 33.7256, -37.3523
Hunter-Lab	57.2727, -3.3081, -33.6947

Details

The CIELCh color `64, 35.726, 269.527` is a light color, and the websafe version is hex `6699CC`. A complement of this color would be `72, 39.822, 73.021`, and the grayscale version is `62, 0.008, 296.813`.

A 20% lighter version of the original color is `83, 26.552, 258.267`, and `44, 35.823, 269.563` is the 20% darker color. If you saturate the color by 10%, you get `60, 42.619, 272.610`, and if you desaturate by 10%, it is `68, 28.795, 266.893`.

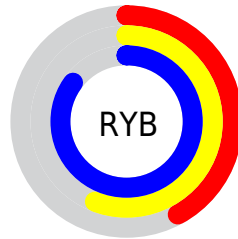
Distribution



Red (42%)

Green (62%)

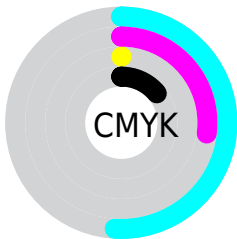
Blue (85%)



Red (42%)

Yellow (56%)

Blue (85%)

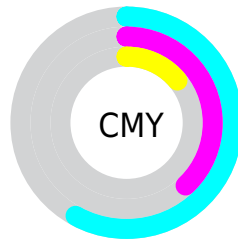


Cyan (51%)

Magenta (27%)

Yellow (0%)

Black (14%)



Cyan (58%)


Magenta (38%)


Yellow (14%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 35.726, 269.527 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, 35.726, 269.527 by changing the saturation by 10% instead.

 64, 35.726,
269.527

 64, 35.726,
269.527


 100, 35.726,
269.527


 54, 35.726,
269.527


 84, 35.726,
269.527

 44, 35.726,
269.527

 94, 35.726,
269.527

 34, 35.726,
269.527

 24, 35.726,
269.527

 14, 35.726,
269.527

 4, 35.726, 269.527

 0, 35.726, 269.527

64, 35.726,
269.527

64, 35.726,
269.527

60, 42.619,
272.610

68, 28.795,
266.893

55, 49.522,
276.156

73, 21.810,
264.662

52, 56.508,
280.125

78, 14.771,
262.782

48, 63.657,
284.396

82, 7.694, 261.206

45, 70.413,
288.320

87, 0.596, 260.404

91, 6.502, 78.588

96, 12.659, 85.169

99, 17.461,
106.210

99, 18.521,

Harmonies

Complementary

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



64, 35.726, 269.527



72, 39.822, 73.021

Rectangle

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



64, 35.726, 269.527



64, 35.726, 319.527



64, 35.726, 89.527



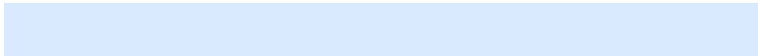
64, 35.726, 139.527

Sweetspot

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



64, 35.725, 269.527



92, 12.078, 261.848



80, 46.540, 160.008



48, 8.237, 262.186



0, 0.000, 0.000



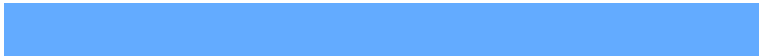
53, 0.007, 296.813

Same Dimension

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



64, 35.725, 269.527



69, 48.459, 272.845



51, 64.467, 298.485



44, 4.049, 261.011



35, 58.329, 287.603



7, 19.273, 277.515

Inverse Universe

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



60, 49.581, 351.750



64, 65.919, 353.740



85, 55.950, 106.942



43, 5.489, 346.678



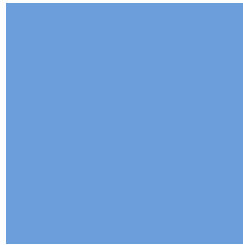
37, 63.235, 5.674



6, 24.699, 357.346

Previews

White Background



This preview shows how the CIELCh color 64, 35.726, 269.527 looks on a white background.

Color Contrast Check

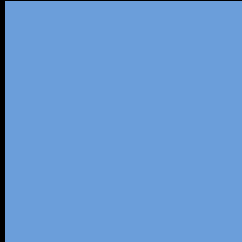
Large Text (above 18pt) WCAG AA × Fail

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, 35.726, 269.527 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

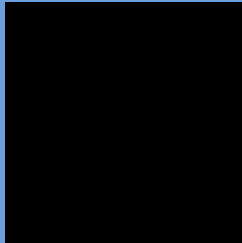
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

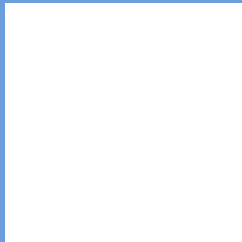
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 35.726, 269.527

Background



This preview shows how black text looks on a background with the CIELCh color 64, 35.726, 269.527.




This preview shows how white text looks on a background with the CIELCh color 64, 35.726, 269.527.

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](#).

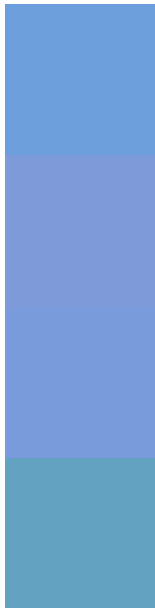
Dichromacy





Tritanopia
64, 23.445, 215.823

Trichromacy



Original Color
64, 35.726, 269.527

Protanomaly
64, 35.232, 279.887

Deuteranomaly
64, 36.537, 278.350

Tritanomaly
64, 25.009, 240.564

Monochromacy



Original Color
64, 35.726, 269.527

Achromatopsia
62, 0.008, 296.813

Achromatomaly
63, 13.663, 264.013

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 35.726, 269.527 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(107, 158, 218)` looks like.

```
.text, #text, p{  
    color:rgb(107, 158, 218)  
}
```

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(107, 158, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 158, 218) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 35.726, 269.527 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(107, 158, 218) }
```

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

```
.border{ border-color:rgb(107, 158, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 158, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 158, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 158, 218);  
box-shadow:4px 4px 4px 4px rgb(107, 158,  
218) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 35.726, 269.527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 158, 218) }
```

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

```
.background{ background-color: rgb(107,  
158, 218) }
```

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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