

Converting Colors

CIELCh(61, 60.365, 286.202)

Have a look what the booklet for
CIELCh(61, 60.365, 286.202)
contains.

CIELCh(61, 60.429, 286.270)	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(61, 60.429, 286.270)

Conversions

Conversions Part 1

Format	Color
Hex	638FFA
RGB	99, 143, 250
RGB Percent	39%, 56%, 98%
CMY	0.6112, 0.4388, 0.0191
CMYK	0.60, 0.43, 0.00, 0.02
HSL	223°, 94%, 68%
HSV	223°, 60%, 98%
XYZ	32.2743, 29.2481, 94.4895
YIQ	142.0420, -60.5710, 23.9490

Conversions

Conversions Part 2

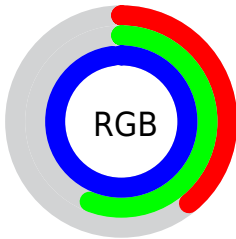
Format	Color
R _Y B	99, 133, 250
Decimal	6524922
CIE Lab	61.00, 16.93, -58.01
CIE LCh	61, 60.429, 286.270
Yxy	29.2481, 0.2069, 0.1875
Android (android.graphics.Color)	4284715002 (0xFF638FFA)
YUV	142.0420, 53.2233, -37.7478
Hunter-Lab	54.0815, 11.8810, -65.7325

Details

The CIELCh color **61, 60.429, 286.270** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **85, 58.023, 86.330**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **79, 32.918, 273.644**, and **41, 60.798, 286.518** is the 20% darker color. If you saturate the color by 10%, you get **55, 71.417, 289.398**, and if you desaturate by 10%, it is **67, 49.769, 283.489**.

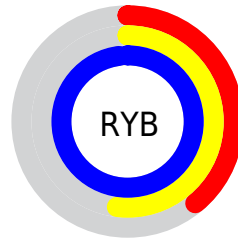
Distribution



Red (39%)

Green (56%)

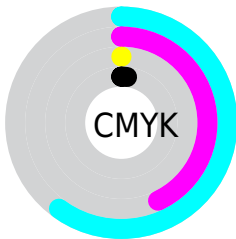
Blue (98%)



Red (39%)

Yellow (52%)

Blue (98%)

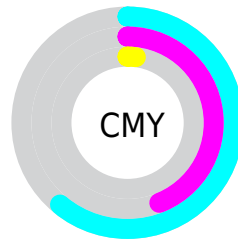


Cyan (60%)

Magenta (43%)

Yellow (0%)

Black (2%)



Cyan (61%)


Magenta (44%)


Yellow (2%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 61, 60.429, 286.270 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 61, 60.429, 286.270 by changing the saturation by 10% instead.


 61, 60.429,
286.270


 61, 60.429,
286.270


 100, 60.429,
286.270


 51, 60.429,
286.270


 81, 60.429,
286.270

 41, 60.429,
286.270

 91, 60.429,
286.270

 31, 60.429,
286.270

 21, 60.429,
286.270

 11, 60.429,
286.270

 1, 60.429, 286.270

 0, 60.429, 286.270

■ 61, 60.429,
286.270

■ 61, 60.429,
286.270

■ 55, 71.417,
289.398

■ 67, 49.769,
283.489

■ 50, 82.701,
292.784

■ 73, 39.411,
281.070

■ 45, 94.080,
296.255

■ 79, 29.315,
278.993

■ 41, 104.710,
299.403

■ 86, 19.452,
277.221

■ 92, 9.801, 275.716

■ 98, 0.349, 275.110

■ 100, 2.461,
109.963

Harmonies

Complementary

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



61, 60.429, 286.270



85, 58.023, 86.330

Rectangle

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



61, 60.429, 286.270



61, 60.429, 336.270



61, 60.429, 106.270



61, 60.429, 156.270

Sweetspot

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



61, 60.428, 286.271



89, 17.424, 276.846



90, 51.597, 168.980



45, 12.144, 277.315



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



61, 60.428, 286.271



55, 74.410, 289.963



52, 86.554, 304.125



49, 5.368, 275.598



30, 83.270, 298.832



7, 32.509, 293.499

Inverse Universe

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



63, 61.578, 5.937



59, 72.664, 9.611



94, 73.608, 114.135



49, 5.549, 357.425



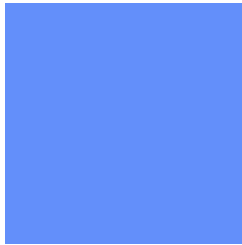
40, 70.263, 21.995



9, 30.600, 12.610

Previews

White Background



This preview shows how the CIELCh color 61, 60.429, 286.270 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 61, 60.429, 286.270 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

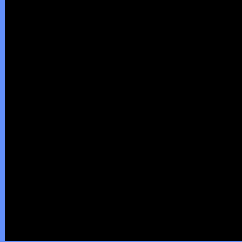
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

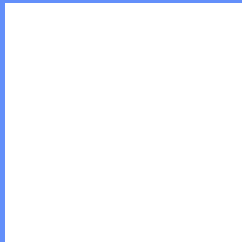
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 61, 60.429, 286.270

Background



This preview shows how black text looks on a background with the CIELCh color 61, 60.429, 286.270.



This preview shows how white text looks on a background with the CIELCh color 61, 60.429, 286.270.

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

61, 60.429, 286.270

Protanopia

61, 60.401, 286.457

Deuteranopia

61, 58.005, 279.261



Tritanopia
61, 28.233, 212.367

Trichromacy



Original Color
61, 60.429, 286.270

Protanomaly
61, 60.401, 286.457

Deuteranomaly
61, 58.747, 281.751

Tritanomaly
61, 32.712, 253.005

Monochromacy



Original Color
61, 60.429, 286.270

Achromatopsia
59, 0.008, 296.813

Achromatomaly
59, 22.553, 278.904

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 60.429, 286.270 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(99, 143, 250)` looks like.

```
.text, #text, p{  
    color:rgb(99, 143, 250)  
}
```

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(99, 143, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 143, 250) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 60.429, 286.270 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(99, 143, 250) }
```

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

```
.border{ border-color:rgb(99, 143, 250) }
```

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

Here you see how a box with a 4 pixel rgb(99, 143, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 143, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 143, 250);  
box-shadow:4px 4px 4px 4px rgb(99, 143,  
250) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 60.429, 286.270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 143, 250) }
```

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

```
.background{ background-color: rgb(99, 143,  
250) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor