

Converting Colors

CIELCh(61, 31.322, 272.764)

Have a look what the booklet for
CIELCh(61, 31.322, 272.764)
contains.

CIELCh(61, 31.253, 272.890)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(61, 31.253, 272.890)

Conversions

Conversions Part 1

Format	Color
Hex	7195CA
RGB	113, 149, 202
RGB Percent	44%, 58%, 79%
CMY	0.5571, 0.4159, 0.2080
CMYK	0.44, 0.26, 0.00, 0.21
HSL	216°, 46%, 62%
HSV	216°, 44%, 79%
XYZ	28.1973, 29.2481, 60.0037
YIQ	144.2780, -38.4690, 8.8510

Conversions

Conversions Part 2

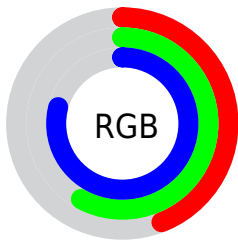
Format	Color
RYB	113, 139, 202
Decimal	7443914
CIELab	61.00, 1.58, -31.21
CIELCh	61, 31.253, 272.890
Yxy	29.2481, 0.2401, 0.2490
Android (android.graphics.Color)	4285633994 (0xFF7195CA)
YUV	144.2780, 28.4569, -27.4308
Hunter-Lab	54.0815, -1.5755, -27.9254

Details

The CIELCh color **61, 31.253, 272.890** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **70, 32.945, 79.150**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **81, 29.250, 270.901**, and **41, 31.217, 272.416** is the 20% darker color. If you saturate the color by 10%, you get **57, 38.449, 275.579**, and if you desaturate by 10%, it is **66, 24.102, 270.590**.

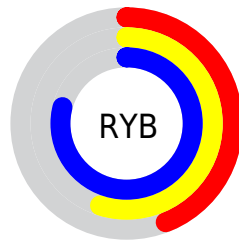
Distribution



Red (44%)

Green (58%)

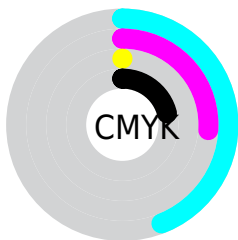
Blue (79%)



Red (44%)

Yellow (55%)

Blue (79%)

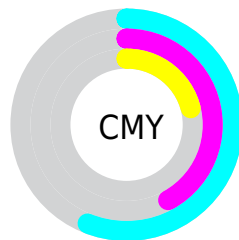


Cyan (44%)

Magenta (26%)

Yellow (0%)

Black (21%)



Cyan (56%)

Magenta (42%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 61, 31.253, 272.890 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, 31.253, 272.890 by changing the saturation by 10% instead.

■ 61, 31.253,
272.890

■ 61, 31.253,
272.890

■ 100, 31.253,
272.890

■ 51, 31.253,
272.890

■ 81, 31.253,
272.890

■ 41, 31.253,
272.890

■ 91, 31.253,
272.890

■ 31, 31.253,
272.890

■ 21, 31.253,
272.890

■ 11, 31.253,
272.890

■ 1, 31.253, 272.890

■ 0, 31.253, 272.890

61, 31.253,
272.890

61, 31.253,
272.890

57, 38.449,
275.579

66, 24.102,
270.590

52, 45.726,
278.684

70, 16.986,
268.634

48, 53.130,
282.196

75, 9.904, 266.977

44, 60.714,
286.041

79, 2.861, 265.625

40, 68.492,
290.059

84, 4.133, 84.227

38, 73.186,
292.352

89, 11.068, 83.215

93, 17.934, 82.307

96, 22.286, 98.859

99, 26.761,
108.146

Harmonies

Complementary

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



61, 31.253, 272.890



70, 32.945, 79.150

Rectangle

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



61, 31.253, 272.890



61, 31.253, 322.890



61, 31.253, 92.890



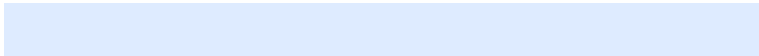
61, 31.253, 142.890

Sweetspot

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



61, 31.252, 272.890



93, 11.056, 266.843



75, 36.804, 163.795



48, 7.741, 267.184



0, 0.000, 0.000



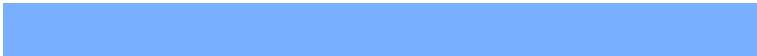
53, 0.007, 296.813

Same Dimension

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



61, 31.252, 272.890



71, 45.540, 275.480



52, 51.730, 298.608



41, 4.021, 266.299



31, 62.250, 291.754



4, 16.935, 278.255

Inverse Universe

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



59, 39.609, 354.207



68, 57.077, 355.902



79, 46.124, 109.810



40, 4.996, 349.932



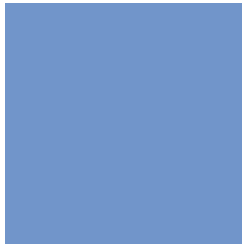
35, 61.340, 10.767



4, 19.121, 359.274

Previews

White Background



This preview shows how the CIELCh color 61, 31.253, 272.890 looks on a white background.

Color Contrast Check

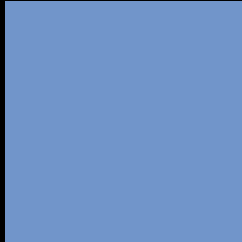
Large Text (above 18pt) WCAG AA ✓ Pass

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, 31.253, 272.890 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

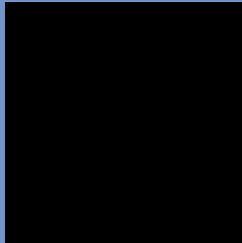
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

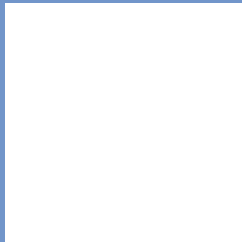
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 61, 31.253, 272.890

Background



This preview shows how black text looks on a background with the CIELCh color 61, 31.253, 272.890.

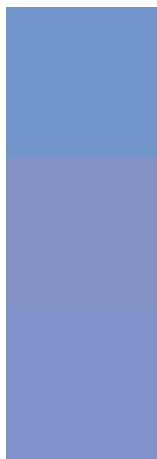


This preview shows how white text looks on a background with the CIELCh color 61, 31.253, 272.890.

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, 31.253, 272.890

Protanopia

61, 30.581, 285.048

Deuteranopia

61, 32.853, 284.899



Tritanopia
61, 18.489, 221.547

Trichromacy



Original Color
61, 31.253, 272.890

Protanomaly
61, 30.911, 280.562

Deuteranomaly
61, 32.583, 281.006

Tritanomaly
61, 20.746, 246.007

Monochromacy



Original Color
61, 31.253, 272.890

Achromatopsia
60, 0.008, 296.813

Achromatomaly
60, 11.574, 267.620

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 31.253, 272.890 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(113, 149, 202)` looks like.

```
.text, #text, p{  
    color:rgb(113, 149, 202)  
}
```

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(113, 149, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 149, 202) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 31.253, 272.890 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(113, 149, 202) }
```

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

```
.border{ border-color:rgb(113, 149, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 149, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 149, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 149, 202);  
box-shadow:4px 4px 4px 4px rgb(113, 149,  
202) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 31.253, 272.890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 149, 202) }
```

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

```
.background{ background-color: rgb(113,  
149, 202) }
```

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