

Converting Colors

CIELCh(61, 29.298, 229.028)

Have a look what the booklet for
CIELCh(61, 29.298, 229.028)
contains.

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Color

CIELCh(61, 29.255, 227.832)

Conversions

Conversions Part 1

Format	Color
Hex	409FB9
RGB	64, 159, 185
RGB Percent	25%, 62%, 73%
CMY	0.7506, 0.3778, 0.2758
CMYK	0.66, 0.14, 0.00, 0.28
HSL	193°, 49%, 49%
HSV	193°, 66%, 72%
XYZ	23.1508, 29.2481, 50.1378
YIQ	133.5590, -64.9660, -12.0540

Conversions

Conversions Part 2

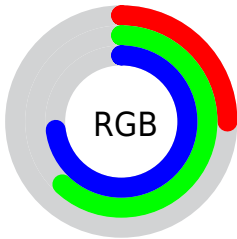
Format	Color
R _Y B	64, 117, 185
Decimal	4235193
CIE Lab	61.00, -19.64, -21.68
CIE LCh	61, 29.255, 227.832
Yxy	29.2481, 0.2258, 0.2852
Android (android.graphics.Color)	4282425273 (0xFF409FB9)
YUV	133.5590, 25.3604, -61.0032
Hunter-Lab	54.0815, -18.2317, -17.1093

Details

The CIELCh color **61, 29.255, 227.832** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **49, 48.923, 42.000**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **81, 29.166, 227.585**, and **42, 26.784, 232.112** is the 20% darker color. If you saturate the color by 10%, you get **59, 31.556, 230.277**, and if you desaturate by 10%, it is **63, 26.284, 225.909**.

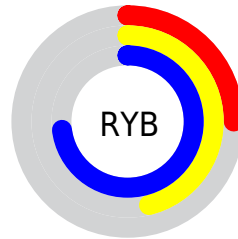
Distribution



Red (25%)

Green (62%)

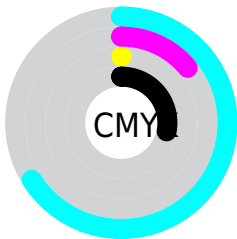
Blue (73%)



Red (25%)

Yellow (46%)

Blue (73%)

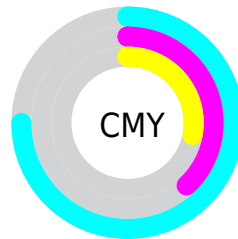


Cyan (66%)

Magenta (14%)

Yellow (0%)

Black (28%)



Cyan (75%)


Magenta (38%)


Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 61, 29.255, 227.832 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, 29.255, 227.832 by changing the saturation by 10% instead.


 61, 29.255,
227.832


 61, 29.255,
227.832


 100, 29.255,
227.832


 51, 29.255,
227.832


 81, 29.255,
227.832

 41, 29.255,
227.832

 91, 29.255,
227.832

 31, 29.255,
227.832

 21, 29.255,
227.832

 11, 29.255,
227.832

 1, 29.255, 227.832

 0, 29.255, 227.832

■ 61, 29.255,
227.832

■ 61, 29.255,
227.832

■ 59, 31.556,
230.277

■ 63, 26.284,
225.909

■ 58, 33.217,
233.326

■ 65, 22.670,
224.426

■ 56, 34.336,
237.022

■ 67, 18.472,
223.301

■ 56, 34.776,
238.753

■ 69, 13.767,
222.466

■ 71, 8.638, 221.870

■ 74, 3.166, 221.532

■ 76, 2.576, 40.875

■ 79, 8.523, 40.820

■ 81, 14.622, 40.737

Harmonies

Complementary

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



61, 29.255, 227.832



49, 48.923, 42.000

Rectangle

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



61, 29.255, 227.832



61, 29.255, 277.832



61, 29.255, 47.832



61, 29.255, 97.832

Sweetspot

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



61, 29.254, 227.831



89, 13.536, 222.126



67, 66.688, 143.985



46, 9.151, 222.300



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



61, 29.254, 227.831



75, 39.423, 231.644



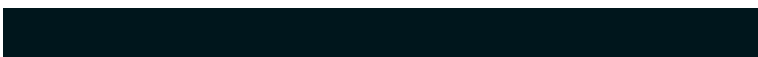
44, 50.918, 286.911



38, 3.181, 221.616



47, 30.579, 238.147



6, 8.519, 231.772

Inverse Universe

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



47, 64.718, 335.638



57, 88.731, 336.936



63, 48.817, 85.034



36, 5.951, 331.598



35, 67.814, 338.888



3, 15.175, 334.680

Previews

White Background



This preview shows how the CIE LCh color 61, 29.255, 227.832 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 CIELCh color 61, 29.255, 227.832 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

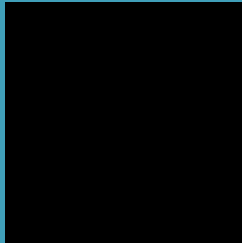
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 61, 29.255, 227.832

Background



This preview shows how black text looks on a background with the CIELCh color 61, 29.255, 227.832.



This preview shows how white text looks on a background with the CIELCh color 61, 29.255, 227.832.

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, 29.255, 227.832

Protanopia

61, 16.966, 286.091

Deuteranopia

61, 24.837, 288.230



Tritanopia
61, 29.417, 211.645

Trichromacy



Original Color
61, 29.255, 227.832

Protanomaly
60, 20.109, 253.647

Deuteranomaly
60, 24.100, 262.390

Tritanomaly
61, 29.106, 217.831

Monochromacy



Original Color
61, 29.255, 227.832

Achromatopsia
56, 0.007, 296.813

Achromatomaly
57, 13.114, 224.370

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 29.255, 227.832 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(64, 159, 185)` looks like.

```
.text, #text, p{  
    color:rgb(64, 159, 185)  
}
```

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(64, 159, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 159, 185) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 29.255, 227.832 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(64, 159, 185) }
```

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

```
.border{ border-color:rgb(64, 159, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 159, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(64, 159, 185); -webkit-box-shadow:4px 4px 4px 4px rgb(64, 159, 185); box-shadow:4px 4px 4px 4px rgb(64, 159, 185) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 29.255, 227.832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 159, 185) }
```

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

```
.background{ background-color: rgb(64, 159,  
185) }
```

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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