

Converting Colors

CIELCh(51, 33.460, 271.511)

Have a look what the booklet for
CIELCh(51, 33.460, 271.511)
contains.

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Color

CIELCh(51, 33.275, 271.187)

Conversions

Conversions Part 1

Format	Color
Hex	4F7CB2
RGB	79, 124, 178
RGB Percent	31%, 49%, 70%
CMY	0.6905, 0.5140, 0.3022
CMYK	0.56, 0.30, 0.00, 0.30
HSL	213°, 39%, 50%
HSV	213°, 56%, 70%
XYZ	18.4457, 19.2686, 44.8279
YIQ	116.7010, -44.1540, 7.2540

Conversions

Conversions Part 2

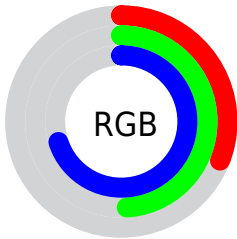
Format	Color
R_{YB}	79, 110, 178
Decimal	5209266
CIE _{Lab}	51.00, 0.69, -33.27
CIE _{LCh}	51, 33.275, 271.187
Yxy	19.2686, 0.2235, 0.2334
Android (android.graphics.Color)	4283399346 (0xFF4F7CB2)
YUV	116.7010, 30.2204, -33.0638
Hunter-Lab	43.8960, -1.8100, -29.8215

Details

The CIELCh color **51, 33.275, 271.187** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **59, 37.208, 72.895**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 33.387, 271.674**, and **31, 33.056, 270.666** is the 20% darker color. If you saturate the color by 10%, you get **47, 39.168, 274.404**, and if you desaturate by 10%, it is **55, 27.370, 268.414**.

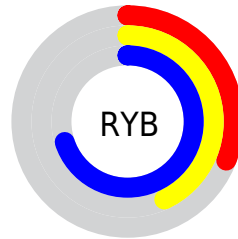
Distribution



Red (31%)

Green (49%)

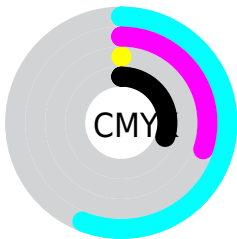
Blue (70%)



Red (31%)

Yellow (43%)

Blue (70%)

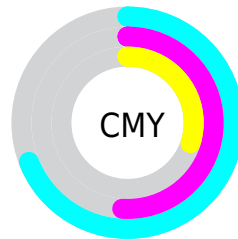


Cyan (56%)

Magenta (30%)

Yellow (0%)

Black (30%)



Cyan (69%)

Magenta (51%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 33.275, 271.187 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 51, 33.275, 271.187 by changing the saturation by 10% instead.

■ 51, 33.275,
271.187

■ 51, 33.275,
271.187

■ 100, 33.275,
271.187

■ 41, 33.275,
271.187

■ 71, 33.275,
271.187

■ 31, 33.275,
271.187

■ 81, 33.275,
271.187

■ 21, 33.275,
271.187

■ 91, 33.275,
271.187

■ 11, 33.275,
271.187

■ 1, 33.275, 271.187

■ 0, 33.275, 271.187

■ 51, 33.275,
271.187

■ 51, 33.275,
271.187

■ 47, 39.168,
274.404

■ 55, 27.370,
268.414

■ 44, 45.100,
278.060

■ 59, 21.432,
266.053

■ 41, 51.134,
282.088

■ 62, 15.453,
264.052

■ 37, 57.329,
286.331

■ 66, 9.442, 262.365

■ 70, 3.411, 260.976

■ 36, 60.103,
288.085

■ 74, 2.623, 79.536

■ 78, 8.647, 78.556

■ 82, 14.645, 77.651

■ 86, 20.606, 76.856

Harmonies

Complementary

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



51, 33.275, 271.187



59, 37.208, 72.895

Rectangle

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



51, 33.275, 271.187



51, 33.275, 321.187



51, 33.275, 91.187



51, 33.275, 141.187

Sweetspot

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



51, 33.274, 271.187



84, 12.733, 262.624



66, 42.733, 159.413



44, 8.583, 262.944



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



51, 33.274, 271.187



60, 49.596, 275.286



39, 60.202, 299.275



36, 3.431, 261.447



31, 53.113, 287.537



3, 9.156, 269.509

Inverse Universe

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



48, 45.535, 352.761



57, 65.657, 355.335



70, 51.431, 106.625



35, 4.616, 346.922



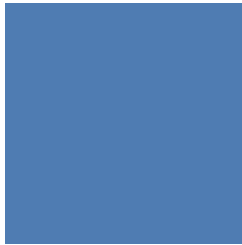
32, 57.667, 5.600



2, 10.349, 352.378

Previews

White Background



This preview shows how the CIE LCh color 51, 33.275, 271.187 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 51, 33.275, 271.187 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

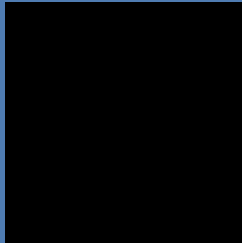
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

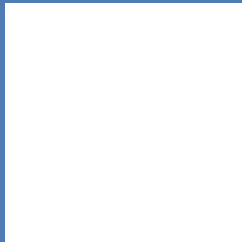
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 51, 33.275, 271.187

Background



This preview shows how black text looks on a background with the CIELCh color 51, 33.275, 271.187.



This preview shows how white text looks on a background with the CIELCh color 51, 33.275, 271.187.

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

51, 33.275, 271.187

Protanopia

51, 32.261, 285.160

Deuteranopia

51, 34.800, 282.385



Tritanopia
51, 21.612, 214.896

Trichromacy



Original Color
51, 33.275, 271.187

Protanomaly
51, 32.144, 279.192

Deuteranomaly
51, 34.565, 278.927

Tritanomaly
51, 23.070, 241.575

Monochromacy



Original Color
51, 33.275, 271.187

Achromatopsia
49, 0.007, 296.813

Achromatomaly
50, 12.530, 262.186

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 33.275, 271.187 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(79, 124, 178)` looks like.

```
.text, #text, p{  
    color:rgb(79, 124, 178)  
}
```

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(79, 124, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 124, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 33.275, 271.187 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(79, 124, 178) }
```

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

```
.border{ border-color:rgb(79, 124, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 124, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 124, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 124, 178);  
box-shadow:4px 4px 4px 4px rgb(79, 124,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 33.275, 271.187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 124, 178) }
```

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

```
.background{ background-color: rgb(79, 124,  
178) }
```

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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