

Converting Colors

CIELCh(55, 34.035, 279.192)

Have a look what the booklet for
CIELCh(55, 34.035, 279.192)
contains.

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Color

CIELCh(55, 33.994, 279.137)

Conversions

Conversions Part 1

Format	Color
Hex	6784BE
RGB	103, 132, 190
RGB Percent	40%, 52%, 75%
CMY	0.5980, 0.4841, 0.2568
CMYK	0.46, 0.31, 0.00, 0.26
HSL	220°, 40%, 57%
HSV	220°, 46%, 74%
XYZ	22.9679, 22.9298, 51.6473
YIQ	129.9410, -35.9020, 11.8900

Conversions

Conversions Part 2

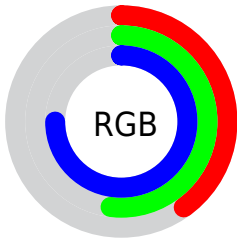
Format	Color
R_{YB}	103, 125, 190
Decimal	6784190
CIE _{Lab}	55.00, 5.40, -33.56
CIE _{LCh}	55, 33.994, 279.137
Yxy	22.9298, 0.2355, 0.2351
Android (android.graphics.Color)	4284974270 (0xFF6784BE)
YUV	129.9410, 29.6091, -23.6273
Hunter-Lab	47.8851, 1.8177, -30.4286

Details

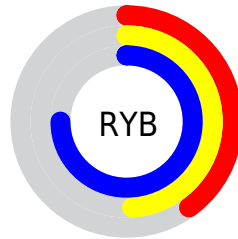
The CIELCh color `55, 33.994, 279.137` is a dark color, and the websafe version is hex `6699CC`. A complement of this color would be `67, 34.207, 85.097`, and the grayscale version is `54, 0.007, 296.813`.

A 20% lighter version of the original color is `75, 34.122, 279.269`, and `35, 33.775, 278.828` is the 20% darker color. If you saturate the color by 10%, you get `50, 41.782, 281.761`, and if you desaturate by 10%, it is `60, 26.363, 276.874`.

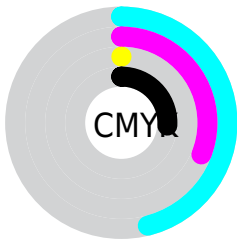
Distribution



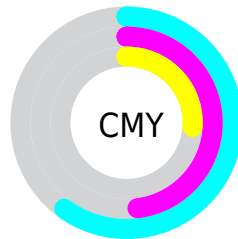
- Red (40%)
- Green (52%)
- Blue (75%)



- Red (40%)
- Yellow (49%)
- Blue (75%)



- Cyan (46%)
- Magenta (31%)
- Yellow (0%)
- Black (26%)



- Cyan (60%)
- Magenta (48%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 33.994, 279.137 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 55, 33.994, 279.137 by changing the saturation by 10% instead.

■ 55, 33.994,
279.137

■ 55, 33.994,
279.137

■ 100, 33.994,
279.137

■ 45, 33.994,
279.137

■ 75, 33.994,
279.137

■ 35, 33.994,
279.137

■ 85, 33.994,
279.137

■ 25, 33.994,
279.137

■ 95, 33.994,
279.137

■ 15, 33.994,
279.137

■ 5, 33.994, 279.137

■ 0, 33.994, 279.137

■ 55, 33.994,
279.137

■ 55, 33.994,
279.137

■ 50, 41.782,
281.761

■ 60, 26.363,
276.874

■ 46, 49.765,
284.757

■ 64, 18.869,
274.937

■ 42, 57.969,
288.092

■ 69, 11.496,
273.285

■ 38, 66.383,
291.663

■ 74, 4.238, 271.896

■ 79, 2.907, 90.537

■ 34, 74.887,
295.280

■ 83, 9.936, 89.533

■ 32, 78.356,
296.648

■ 88, 16.850, 88.618

■ 93, 23.647, 87.811

■ 96, 28.517,
100.380

Harmonies

Complementary

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



55, 33.994, 279.137



67, 34.207, 85.097

Rectangle

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



55, 33.994, 279.137



55, 33.994, 329.137



55, 33.994, 99.137



55, 33.994, 149.137

Sweetspot

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



55, 33.993, 279.137



89, 12.551, 273.034



71, 34.307, 167.724



47, 8.750, 273.363



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



55, 33.993, 279.137



65, 51.039, 281.761



48, 51.373, 300.754



37, 4.064, 272.343



27, 67.544, 296.139



3, 13.460, 278.788

Inverse Universe

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



54, 38.126, 359.380



65, 56.401, 1.391



74, 45.761, 112.708



37, 4.498, 354.483



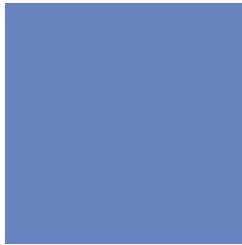
33, 60.279, 17.278



3, 12.977, 0.908

Previews

White Background



This preview shows how the CIELCh color 55, 33.994, 279.137 looks on a white background.

Color Contrast Check

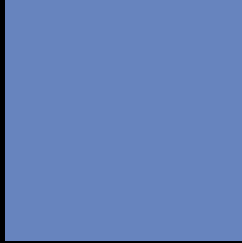
Large Text (above 18pt) WCAG AA ✓ Pass

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 55, 33.994, 279.137 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

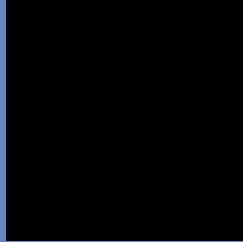
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

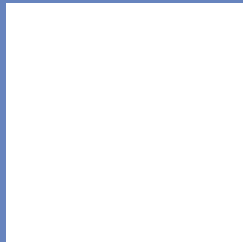
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 55, 33.994, 279.137

Background



This preview shows how black text looks on a background with the CIELCh color 55, 33.994, 279.137.

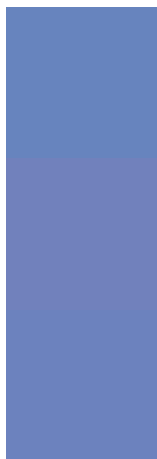


This preview shows how white text looks on a background with the CIELCh color 55, 33.994, 279.137.

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

55, 33.994, 279.137

Protanopia

55, 34.069, 285.718

Deuteranopia

55, 34.817, 283.071



Tritanopia
55, 17.214, 219.707

Trichromacy



Original Color
55, 33.994, 279.137

Protanomaly
55, 34.219, 283.256

Deuteranomaly
55, 34.364, 281.344

Tritanomaly
55, 20.410, 251.127

Monochromacy



Original Color
55, 33.994, 279.137

Achromatopsia
54, 0.007, 296.813

Achromatomaly
54, 12.630, 273.265

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 33.994, 279.137 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(103, 132, 190)` looks like.

```
.text, #text, p{  
    color:rgb(103, 132, 190)  
}
```

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(103, 132, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 132, 190) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 33.994, 279.137 is called "border". The border property can be set on classes, ids or directly on the HTML element.

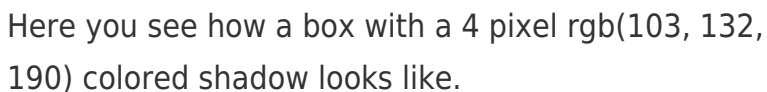
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(103, 132, 190) }
```

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

```
.border{ border-color:rgb(103, 132, 190) }
```

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



Here you see how a box with a 4 pixel `rgb(103, 132, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(103, 132, 190); -webkit-box-shadow:4px 4px 4px 4px rgb(103, 132, 190); box-shadow:4px 4px 4px 4px rgb(103, 132, 190) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 33.994, 279.137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 132, 190) }
```

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

```
.background{ background-color: rgb(103,  
132, 190) }
```

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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