

Converting Colors

CIELCh(62, 27.842, 236.985)

Have a look what the booklet for
CIELCh(62, 27.842, 236.985)
contains.

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Color

CIELCh(62, 27.838, 236.982)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 509FBE |
| RGB | 80, 159, 190 |
| RGB Percent | 31%, 62%, 75% |
| CMY | 0.6844, 0.3748, 0.2532 |
| CMYK | 0.58, 0.16, 0.00, 0.25 |
| HSL | 197°, 46%, 53% |
| HSV | 197°, 58%, 75% |
| XYZ | 25.1592, 30.4025, 53.5053 |
| YIQ | 138.9130, -57.0350, -7.1070 |

Conversions

Conversions Part 2

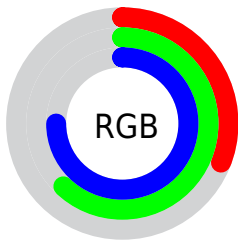
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 80, 126, 190 |
| Decimal | 5283774 |
| CIELab | 62.00, -15.17, -23.34 |
| CIElCh | 62, 27.838, 236.982 |
| Yxy | 30.4025, 0.2307, 0.2788 |
| Android (android.graphics.Color) | 4283473854 (0xFF509FBE) |
| YUV | 138.9130, 25.1859, -51.6667 |
| Hunter-Lab | 55.1385, -15.0443, -18.9369 |

Details

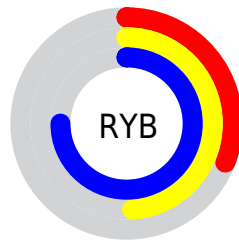
The CIELCh color **62, 27.838, 236.982** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **55, 41.596, 47.292**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **82, 27.661, 236.326**, and **42, 27.782, 237.003** is the 20% darker color. If you saturate the color by 10%, you get **60, 31.066, 239.704**, and if you desaturate by 10%, it is **64, 24.057, 234.807**.

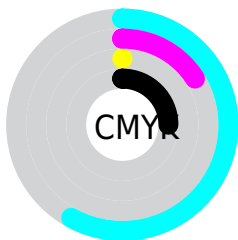
Distribution



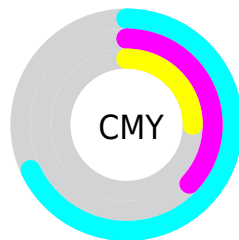
- Red (31%)
- Green (62%)
- Blue (75%)



- Red (31%)
- Yellow (49%)
- Blue (75%)



- Cyan (58%)
- Magenta (16%)
- Yellow (0%)
- Black (25%)





- Cyan (68%)
- Magenta (37%)
- Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 27.838, 236.982 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 62, 27.838, 236.982 by changing the saturation by 10% instead.


 62, 27.838,
236.982


 62, 27.838,
236.982


 100, 27.838,
236.982


 52, 27.838,
236.982


 82, 27.838,
236.982

 42, 27.838,
236.982

 92, 27.838,
236.982

 32, 27.838,
236.982

 22, 27.838,
236.982

 12, 27.838,
236.982

 2, 27.838, 236.982

 0, 27.838, 236.982

■ 62, 27.838,
236.982

■ 62, 27.838,
236.982

■ 60, 31.066,
239.704

■ 64, 24.057,
234.807

■ 58, 33.752,
243.060

■ 67, 19.759,
233.090

■ 56, 35.963,
247.100

■ 69, 15.005,
231.746

■ 54, 37.860,
251.754

■ 72, 9.863, 230.709

■ 54, 38.297,
252.804

■ 75, 4.405, 229.951

■ 78, 1.303, 48.822

■ 81, 7.204, 48.643

■ 84, 13.248, 48.297

■ 87, 19.395, 48.021

Harmonies

Complementary

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



62, 27.838, 236.982



55, 41.596, 47.292

Rectangle

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



62, 27.838, 236.982



62, 27.838, 286.982



62, 27.838, 56.982



62, 27.838, 106.982

Sweetspot

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



62, 27.837, 236.981



91, 11.699, 230.666



69, 58.311, 147.328



48, 7.849, 230.853



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



62, 27.837, 236.981



76, 38.641, 240.437



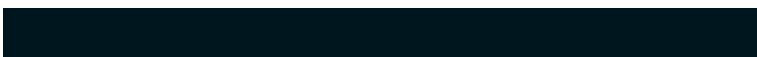
47, 49.939, 288.783



38, 3.189, 230.049



45, 33.185, 252.040



6, 9.587, 242.540

Inverse Universe

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



51, 57.556, 338.047



61, 80.845, 339.327



68, 46.451, 91.198



37, 5.802, 334.159



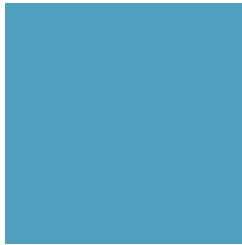
35, 65.480, 343.344



3, 16.334, 338.768

Previews

White Background



This preview shows how the CIELCh color 62, 27.838, 236.982 looks on a white background.

Color Contrast Check

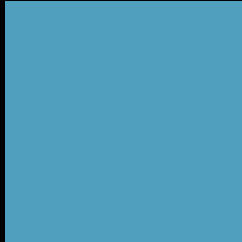
Large Text (above 18pt) WCAG AA × Fail

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 62, 27.838, 236.982 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 ✓ Pass

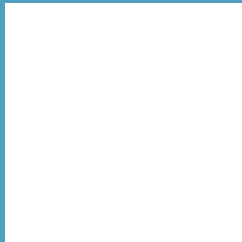
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 62, 27.838, 236.982

Background



This preview shows how black text looks on a background with the CIELCh color 62, 27.838, 236.982.

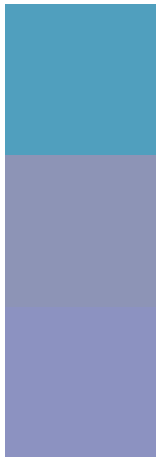


This preview shows how white text looks on a background with the CIELCh color 62, 27.838, 236.982.

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


62, 27.838, 236.982

Protanopia

62, 19.190, 285.003

Deuteranopia

62, 26.448, 288.698



Tritanopia
62, 26.822, 213.268

Trichromacy



Original Color
62, 27.838, 236.982

Protanomaly
62, 21.054, 261.253

Deuteranomaly
61, 24.895, 267.614

Tritanomaly
62, 26.794, 222.543

Monochromacy



Original Color
62, 27.838, 236.982

Achromatopsia
58, 0.007, 296.813

Achromatomaly
59, 11.858, 233.865

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 27.838, 236.982 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(80, 159, 190)` looks like.

```
.text, #text, p{  
    color:rgb(80, 159, 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(80, 159, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 159, 190) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 27.838, 236.982 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(80, 159, 190) }
```

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

```
.border{ border-color:rgb(80, 159, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 159, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 159, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 159, 190);  
box-shadow:4px 4px 4px 4px rgb(80, 159,  
190) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 27.838, 236.982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 159, 190) }
```

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

```
.background{ background-color: rgb(80, 159,  
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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