

Converting Colors

CIELCh(56, 31.222, 277.621)

Have a look what the booklet for
CIELCh(56, 31.222, 277.621)
contains.

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Color

CIELCh(56, 31.126, 277.534)

Conversions

Conversions Part 1

Format	Color
Hex	6B87BC
RGB	107, 135, 188
RGB Percent	42%, 53%, 74%
CMY	0.5822, 0.4723, 0.2646
CMYK	0.43, 0.28, 0.00, 0.26
HSL	219°, 38%, 58%
HSV	219°, 43%, 74%
XYZ	23.6365, 23.9124, 50.6787
YIQ	132.6700, -33.7010, 10.5470

Conversions

Conversions Part 2

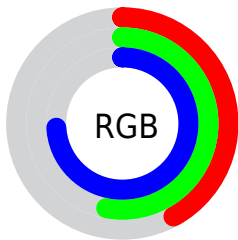
Format	Color
R_{YB}	107, 128, 188
Decimal	7047100
CIE _{Lab}	56.00, 4.08, -30.86
CIE _{LCh}	56, 31.126, 277.534
Yxy	23.9124, 0.2406, 0.2434
Android (android.graphics.Color)	4285237180 (0xFF6B87BC)
YUV	132.6700, 27.2777, -22.5126
Hunter-Lab	48.9003, 0.7044, -27.2159

Details

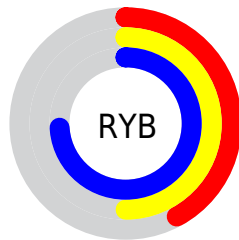
The CIELCh color `56, 31.126, 277.534` is a dark color, and the websafe version is hex `6699CC`. A complement of this color would be `67, 31.567, 84.454`, and the grayscale version is `55, 0.007, 296.813`.

A 20% lighter version of the original color is `76, 30.962, 277.231`, and `36, 30.618, 277.082` is the 20% darker color. If you saturate the color by 10%, you get `51, 38.640, 280.075`, and if you desaturate by 10%, it is `61, 23.742, 275.350`.

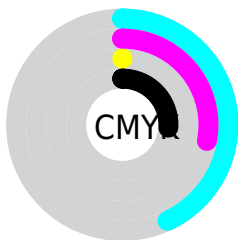
Distribution



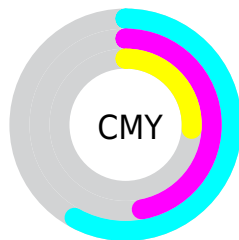
- Red (42%)
- Green (53%)
- Blue (74%)



- Red (42%)
- Yellow (50%)
- Blue (74%)



- Cyan (43%)
- Magenta (28%)
- Yellow (0%)
- Black (26%)





- Cyan (58%)
- Magenta (47%)
- Yellow (26%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 31.126, 277.534 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 56, 31.126, 277.534 by changing the saturation by 10% instead.


 56, 31.126,
277.534


 56, 31.126,
277.534


 100, 31.126,
277.534


 46, 31.126,
277.534


 76, 31.126,
277.534

 36, 31.126,
277.534

 86, 31.126,
277.534

 26, 31.126,
277.534

 96, 31.126,
277.534

 16, 31.126,
277.534

 6, 31.126, 277.534

 0, 31.126, 277.534

■ 56, 31.126,
277.534

■ 56, 31.126,
277.534

■ 51, 38.640,
280.075

■ 61, 23.742,
275.350

■ 47, 46.319,
282.994

■ 65, 16.472,
273.484

■ 43, 54.197,
286.275

■ 70, 9.304, 271.895

■ 39, 62.288,
289.841

■ 75, 2.238, 270.603

■ 79, 4.728, 89.263

■ 35, 70.534,
293.533

■ 84, 11.589, 88.267

■ 33, 76.165,
295.920

■ 89, 18.344, 87.379

■ 93, 24.763, 87.905

■ 96, 29.399,
100.332

Harmonies

Complementary

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



56, 31.126, 277.534



67, 31.567, 84.454

Rectangle

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



56, 31.126, 277.534



56, 31.126, 327.534



56, 31.126, 97.534



56, 31.126, 147.534

Sweetspot

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



56, 31.125, 277.534



89, 11.392, 271.899



70, 32.206, 168.080



46, 7.980, 272.229



98, 0.011, 296.813



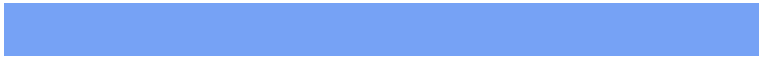
51, 0.007, 296.813

Same Dimension

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



56, 31.125, 277.534



67, 46.899, 279.986



49, 47.681, 300.389



37, 4.010, 271.355



27, 66.216, 295.426



3, 13.326, 278.211

Inverse Universe

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



55, 35.709, 358.032



66, 53.212, 359.832



74, 42.843, 112.893



37, 4.528, 353.665



33, 60.027, 16.128



3, 13.029, 0.267

Previews

White Background



This preview shows how the CIELCh color 56, 31.126, 277.534 looks on a white background.

Color Contrast Check

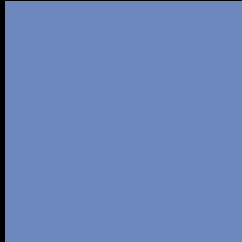
Large Text (above 18pt) WCAG AA ✓ Pass

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 56, 31.126, 277.534 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

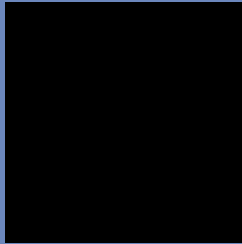
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

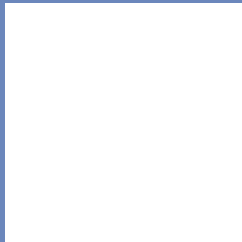
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 56, 31.126, 277.534

Background



This preview shows how black text looks on a background with the CIELCh color 56, 31.126, 277.534.



This preview shows how white text looks on a background with the CIELCh color 56, 31.126, 277.534.

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

56, 31.126, 277.534

Protanopia

56, 31.076, 285.473

Deuteranopia

56, 32.304, 284.350



Tritanopia
56, 16.278, 223.297

Trichromacy



Original Color
56, 31.126, 277.534

Protanomaly
56, 31.240, 282.686

Deuteranomaly
56, 31.887, 281.936

Tritanomaly
56, 19.621, 251.057

Monochromacy



Original Color
56, 31.126, 277.534

Achromatopsia
55, 0.007, 296.813

Achromatomaly
55, 11.402, 272.842

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 31.126, 277.534 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(107, 135, 188)` looks like.

```
.text, #text, p{  
    color:rgb(107, 135, 188)  
}
```

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(107, 135, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 135, 188) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 31.126, 277.534 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(107, 135, 188) }
```

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

```
.border{ border-color:rgb(107, 135, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 135, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 135, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 135, 188);  
box-shadow:4px 4px 4px 4px rgb(107, 135,  
188) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 31.126, 277.534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 135, 188) }
```

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

```
.background{ background-color: rgb(107,  
135, 188) }
```

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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