

Converting Colors

CIELCh(56, 58.003, 296.397)

Have a look what the booklet for
CIELCh(56, 58.003, 296.397)
contains.

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Color

CIELCh(56, 58.282, 296.582)

Conversions

Conversions Part 1

Format	Color
Hex	7B7BE1
RGB	123, 123, 225
RGB Percent	48%, 48%, 88%
CMY	0.5165, 0.5166, 0.1165
CMYK	0.45, 0.45, 0.00, 0.12
HSL	240°, 63%, 68%
HSV	240°, 45%, 88%
XYZ	28.9529, 23.9124, 74.5291
YIQ	134.6280, -32.7420, 31.7220

Conversions

Conversions Part 2

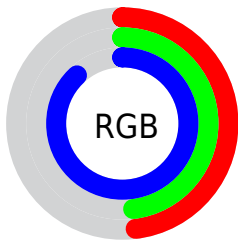
Format	Color
RYB	123, 123, 225
Decimal	8092641
CIELab	56.00, 26.08, -52.12
CIELCh	56, 58.282, 296.582
Yxy	23.9124, 0.2273, 0.1877
Android (android.graphics.Color)	4286282721 (0xFF7B7BE1)
YUV	134.6280, 44.5534, -10.1978
Hunter-Lab	48.9003, 20.1107, -56.1337

Details

The CIELCh color $56, 58.282, 296.582$ is a light color, and the websafe version is hex $6666CC$. A complement of this color would be $88, 51.573, 105.857$, and the grayscale version is $56, 0.007, 296.813$.

A 20% lighter version of the original color is $75, 43.378, 296.150$, and $36, 58.530, 296.838$ is the 20% darker color. If you saturate the color by 10%, you get $49, 72.598, 298.641$, and if you desaturate by 10%, it is $63, 44.447, 294.760$.

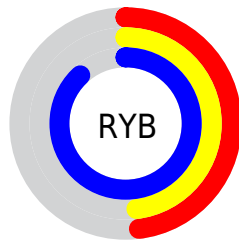
Distribution



Red (48%)

Green (48%)

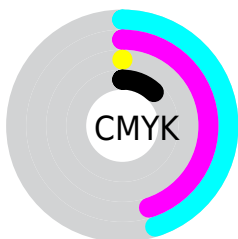
Blue (88%)



Red (48%)

Yellow (48%)

Blue (88%)

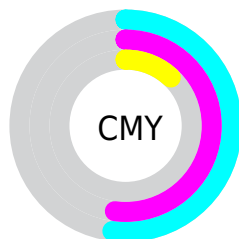


Cyan (45%)

Magenta (45%)

Yellow (0%)

Black (12%)



Cyan (52%)


Magenta (52%)


Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 58.282, 296.582 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, 58.282, 296.582 by changing the saturation by 10% instead.


 56, 58.282,
296.582


 56, 58.282,
296.582


 100, 58.282,
296.582


 46, 58.282,
296.582


 76, 58.282,
296.582

 36, 58.282,
296.582

 86, 58.282,
296.582

 26, 58.282,
296.582

 96, 58.282,
296.582

 16, 58.282,
296.582

 6, 58.282, 296.582

 0, 58.282, 296.582

■ 56, 58.282,
296.582

■ 56, 58.282,
296.582

■ 49, 72.598,
298.641

■ 63, 44.447,
294.760

■ 42, 87.079,
300.852

■ 71, 31.176,
293.190

■ 36, 100.901,
303.023

■ 78, 18.460,
291.854

■ 32, 112.458,
304.838

■ 86, 6.265, 290.728

■ 93, 5.449, 109.745

■ 29, 119.707,
305.959

■ 99, 15.033,
109.041

■ 28, 121.854,
306.288

Harmonies

Complementary

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



56, 58.282, 296.582



88, 51.573, 105.857

Rectangle

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



56, 58.282, 296.582



56, 58.282, 346.582



56, 58.282, 116.582



56, 58.282, 166.582

Sweetspot

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



56, 58.281, 296.583



89, 18.644, 291.709



84, 31.121, 197.318



45, 12.928, 291.975



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



56, 58.281, 296.583



56, 78.263, 298.444



61, 59.510, 311.368



43, 6.754, 291.171



21, 101.303, 306.288



2, 31.635, 295.837

Inverse Universe

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



66, 64.286, 326.843



70, 82.982, 327.242



84, 55.678, 126.948



44, 8.152, 324.948



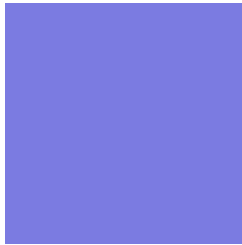
42, 87.469, 328.245



8, 35.918, 328.239

Previews

White Background



This preview shows how the CIELCh color 56, 58.282, 296.582 looks on a white background.

Color Contrast Check

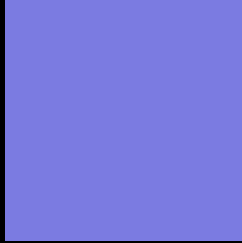
Large Text (above 18pt) WCAG AA ✓ Pass

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 56, 58.282, 296.582 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

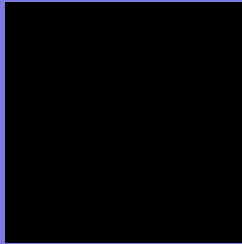
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 56, 58.282, 296.582

Background



This preview shows how black text looks on a background with the CIELCh color 56, 58.282, 296.582.



This preview shows how white text looks on a background with the CIELCh color 56, 58.282, 296.582.

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





Tritanopia
56, 14.177, 224.878

Trichromacy



Original Color
56, 58.282, 296.582

Protanomaly
56, 58.301, 289.858

Deuteranomaly
56, 53.460, 285.690

Tritanomaly
56, 26.055, 275.817

Monochromacy



Original Color
56, 58.282, 296.582

Achromatopsia
56, 0.007, 296.813

Achromatomaly
56, 21.218, 292.659

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 58.282, 296.582 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(123, 123, 225)` looks like.

```
.text, #text, p{  
    color:rgb(123, 123, 225)  
}
```

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(123, 123, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 123, 225) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 58.282, 296.582 is called "border". The border property can be set on classes, ids or directly on the HTML element.

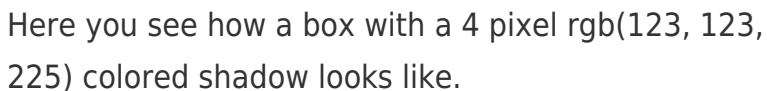
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(123, 123, 225) }
```

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

```
.border{ border-color:rgb(123, 123, 225) }
```

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



Here you see how a box with a 4 pixel `rgb(123, 123, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(123, 123, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(123, 123, 225); box-shadow:4px 4px 4px 4px rgb(123, 123, 225) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 58.282, 296.582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 123, 225) }
```

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

```
.background{ background-color: rgb(123,  
123, 225) }
```

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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