

Converting Colors

CIELCh(56, 55.113, 284.784)

Have a look what the booklet for
CIELCh(56, 55.113, 284.784)
contains.

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Color

CIELCh(56, 55.273, 285.025)

Conversions

Conversions Part 1

Format	Color
Hex	5783E3
RGB	87, 131, 227
RGB Percent	34%, 51%, 89%
CMY	0.6574, 0.4852, 0.1086
CMYK	0.62, 0.42, 0.00, 0.11
HSL	221°, 72%, 62%
HSV	221°, 62%, 89%
XYZ	26.0238, 23.9124, 76.1415
YIQ	128.7880, -57.0400, 20.5280

Conversions

Conversions Part 2

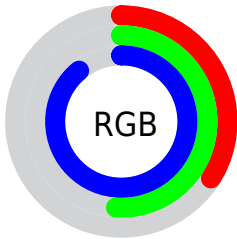
Format	Color
R _{YB}	87, 120, 227
Decimal	5735395
CIE Lab	56.00, 14.33, -53.38
CIE LCh	56, 55.273, 285.025
Yxy	23.9124, 0.2064, 0.1897
Android (android.graphics.Color)	4283925475 (0xFF5783E3)
YUV	128.7880, 48.4185, -36.6481
Hunter-Lab	48.9003, 9.4185, -58.0888

Details

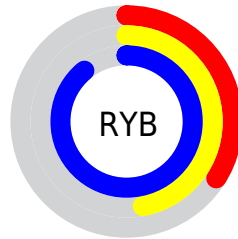
The CIELCh color **56, 55.273, 285.025** is a light color, and the websafe version is hex **6699FF**. The color can be described as light muted azure. A complement of this color would be **77, 53.977, 84.376**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 39.292, 278.166**, and **36, 55.433, 285.745** is the 20% darker color. If you saturate the color by 10%, you get **51, 65.054, 288.229**, and if you desaturate by 10%, it is **61, 45.769, 282.176**.

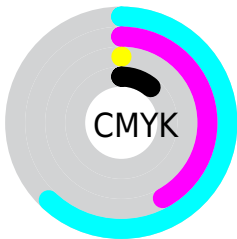
Distribution



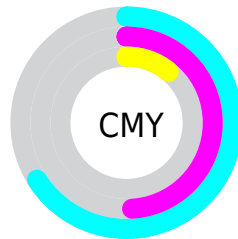
- Red (34%)
- Green (51%)
- Blue (89%)



- Red (34%)
- Yellow (47%)
- Blue (89%)



- Cyan (62%)
- Magenta (42%)
- Yellow (0%)
- Black (11%)





- Cyan (66%)
- Magenta (49%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 55.273, 285.025 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, 55.273, 285.025 by changing the saturation by 10% instead.


 56, 55.273,
285.025


 56, 55.273,
285.025


 100, 55.273,
285.025


 46, 55.273,
285.025


 76, 55.273,
285.025

 36, 55.273,
285.025

 86, 55.273,
285.025

 26, 55.273,
285.025

 96, 55.273,
285.025

 16, 55.273,
285.025

 6, 55.273, 285.025

 0, 55.273, 285.025

■ 56, 55.273,
285.025

■ 56, 55.273,
285.025

■ 51, 65.054,
288.229

■ 61, 45.769,
282.176

■ 46, 75.102,
291.699

■ 67, 36.509,
279.697

■ 41, 85.280,
295.268

■ 73, 27.458,
277.567

■ 38, 93.722,
298.121

■ 78, 18.589,
275.749

■ 84, 9.885, 274.203

■ 89, 1.339, 273.029

■ 95, 7.052, 91.656

■ 99, 14.011,
109.119

Harmonies

Complementary

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



56, 55.273, 285.025



77, 53.977, 84.376

Rectangle

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



56, 55.273, 285.025



56, 55.273, 335.025



56, 55.273, 105.025



56, 55.273, 155.025

Sweetspot

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



56, 55.272, 285.026



89, 16.973, 275.185



82, 49.295, 167.649



46, 11.825, 275.661



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, 55.272, 285.026



55, 74.108, 289.212



47, 81.803, 303.850



45, 4.881, 273.910



30, 76.950, 297.563



6, 26.058, 288.643

Inverse Universe

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



57, 58.197, 4.438



59, 74.130, 8.497



86, 69.147, 113.330



45, 5.232, 355.849



37, 66.619, 19.695



7, 26.674, 7.718

Previews

White Background



This preview shows how the CIELCh color 56, 55.273, 285.025 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, 55.273, 285.025 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

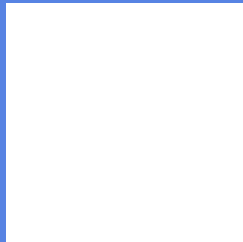
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 56, 55.273, 285.025

Background



This preview shows how black text looks on a background with the CIELCh color 56, 55.273, 285.025.



This preview shows how white text looks on a background with the CIELCh color 56, 55.273, 285.025.

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, 55.273, 285.025

Protanopia

56, 55.130, 286.568

Deuteranopia

56, 53.197, 279.001



Tritanopia
56, 27.033, 212.012

Trichromacy



Original Color
56, 55.273, 285.025

Protanomaly
56, 55.187, 286.138

Deuteranomaly
56, 53.489, 280.749

Tritanomaly
56, 30.606, 250.657

Monochromacy



Original Color
56, 55.273, 285.025

Achromatopsia
54, 0.007, 296.813

Achromatomaly
54, 20.691, 277.318

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 55.273, 285.025 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(87, 131, 227)` looks like.

```
.text, #text, p{  
    color:rgb(87, 131, 227)  
}
```

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(87, 131, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 131, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 55.273, 285.025 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(87, 131, 227) }
```

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

```
.border{ border-color:rgb(87, 131, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 131, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 131, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 131, 227);  
box-shadow:4px 4px 4px 4px rgb(87, 131,  
227) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 55.273, 285.025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 131, 227) }
```

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

```
.background{ background-color: rgb(87, 131,  
227) }
```

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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