

Converting Colors

CIELCh(56, 24.471, 274.173)

Have a look what the booklet for
CIELCh(56, 24.471, 274.173)
contains.

CIELCh(56, 24.428, 274.203)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(56, 24.428, 274.203)

Conversions

Conversions Part 1

Format	Color
Hex	6F87B0
RGB	111, 135, 176
RGB Percent	44%, 53%, 69%
CMY	0.5640, 0.4699, 0.3090
CMYK	0.37, 0.23, 0.00, 0.31
HSL	218°, 29%, 56%
HSV	218°, 37%, 69%
XYZ	23.1237, 23.9124, 44.5709
YIQ	132.4980, -27.4650, 7.6630

Conversions

Conversions Part 2

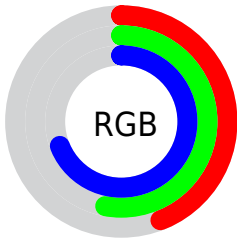
Format	Color
RYB	111, 129, 176
Decimal	7309232
CIELab	56.00, 1.79, -24.36
CIELCh	56, 24.428, 274.203
Yxy	23.9124, 0.2524, 0.2610
Android (android.graphics.Color)	4285499312 (0xFF6F87B0)
YUV	132.4980, 21.4465, -18.8537
Hunter-Lab	48.9003, -1.1677, -19.8105

Details

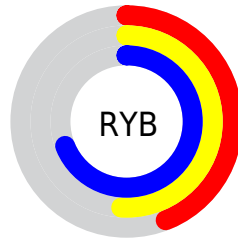
The CIELCh color $56, 24.428, 274.203$ is a dark color, and the websafe version is hex `6699CC`. A complement of this color would be $64, 25.044, 83.361$, and the grayscale version is $55, 0.007, 296.813$.

A 20% lighter version of the original color is $76, 24.574, 274.797$, and $36, 23.995, 273.474$ is the 20% darker color. If you saturate the color by 10%, you get $52, 31.223, 276.529$, and if you desaturate by 10%, it is $60, 17.712, 272.213$.

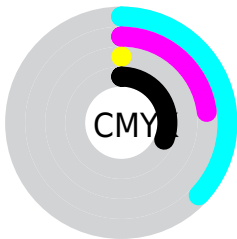
Distribution



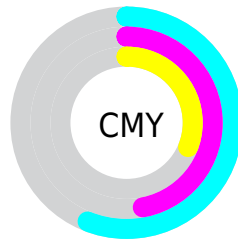
- Red (44%)
- Green (53%)
- Blue (69%)



- Red (44%)
- Yellow (51%)
- Blue (69%)



- Cyan (37%)
- Magenta (23%)
- Yellow (0%)
- Black (31%)




- Cyan (56%)
- Magenta (47%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 24.428, 274.203 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, 24.428, 274.203 by changing the saturation by 10% instead.


 56, 24.428,
274.203

 56, 24.428,
274.203

 100, 24.428,
274.203


 46, 24.428,
274.203


 76, 24.428,
274.203

 36, 24.428,
274.203

 86, 24.428,
274.203

 26, 24.428,
274.203

 96, 24.428,
274.203

 16, 24.428,
274.203

 6, 24.428, 274.203

 0, 24.428, 274.203

■ 56, 24.428,
274.203

■ 56, 24.428,
274.203

■ 52, 31.223,
276.529

■ 60, 17.712,
272.213

■ 48, 38.120,
279.229

■ 65, 11.068,
270.517

■ 44, 45.150,
282.319

■ 69, 4.496, 269.091

■ 40, 52.351,
285.768

■ 73, 2.002, 87.661

■ 78, 8.422, 86.668

■ 36, 59.742,
289.479

■ 82, 14.758, 85.736

■ 33, 67.273,
293.254

■ 86, 21.006, 84.913

■ 90, 27.163, 84.185

■ 32, 69.632,
294.335

■ 93, 31.175, 93.348

Harmonies

Complementary

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



56, 24.428, 274.203



64, 25.044, 83.361

Rectangle

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



56, 24.428, 274.203



56, 24.428, 324.203



56, 24.428, 94.203



56, 24.428, 144.203

Sweetspot

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



56, 24.427, 274.202



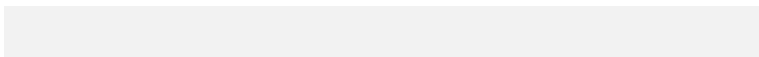
85, 8.909, 269.669



67, 27.201, 166.757



44, 5.984, 269.857



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



56, 24.427, 274.202



68, 36.275, 276.003



50, 38.203, 298.523



35, 3.736, 269.411



27, 62.008, 293.888



2, 9.836, 274.797

Inverse Universe

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



54, 29.206, 355.426



66, 43.242, 356.652



70, 34.936, 111.882



35, 4.381, 352.145



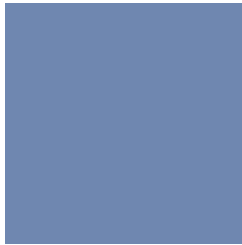
32, 58.188, 13.772



2, 9.959, 356.999

Previews

White Background



This preview shows how the CIELCh color 56, 24.428, 274.203 looks on a white background.

Color Contrast Check

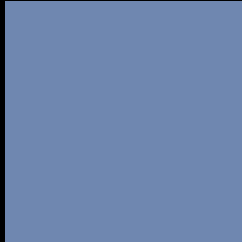
Large Text (above 18pt) WCAG AA ✓ Pass

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, 24.428, 274.203 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

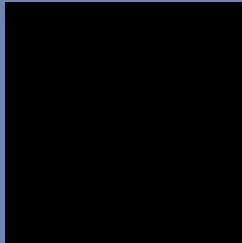
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

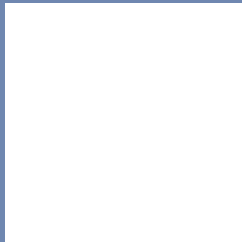
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 56, 24.428, 274.203

Background



This preview shows how black text looks on a background with the CIELCh color 56, 24.428, 274.203.



This preview shows how white text looks on a background with the CIELCh color 56, 24.428, 274.203.

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, 24.428, 274.203

Protanopia

56, 24.167, 285.765

Deuteranopia

56, 25.859, 286.499



Tritanopia
56, 13.613, 226.111

Trichromacy



Original Color
56, 24.428, 274.203

Protanomaly
56, 24.346, 281.924

Deuteranomaly
56, 25.458, 282.614

Tritanomaly
56, 16.136, 250.459

Monochromacy



Original Color
56, 24.428, 274.203

Achromatopsia
56, 0.007, 296.813

Achromatomaly
56, 9.140, 269.861

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 24.428, 274.203 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(111, 135, 176)` looks like.

```
.text, #text, p{  
    color:rgb(111, 135, 176)  
}
```

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(111, 135, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 135, 176) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 24.428, 274.203 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(111, 135, 176) }
```

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

```
.border{ border-color:rgb(111, 135, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 135, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 135, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 135, 176);  
box-shadow:4px 4px 4px 4px rgb(111, 135,  
176) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 24.428, 274.203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 135, 176) }
```

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

```
.background{ background-color: rgb(111,  
135, 176) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor