

Converting Colors

CIELCh(49, 76.767, 223.639)

Have a look what the booklet for
CIELCh(49, 76.767, 223.639)
contains.

CIELCh(56, 42.581, 258.495)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(56, 42.581, 258.495)

Conversions

Conversions Part 1

Format	Color
Hex	028ECE
RGB	2, 142, 206
RGB Percent	1%, 56%, 81%
CMY	0.9940, 0.4420, 0.1909
CMYK	0.99, 0.31, 0.00, 0.19
HSL	199°, 99%, 41%
HSV	199°, 99%, 81%
XYZ	20.9127, 23.9124, 62.1043
YIQ	107.4360, -103.9840, -9.7760

Conversions

Conversions Part 2

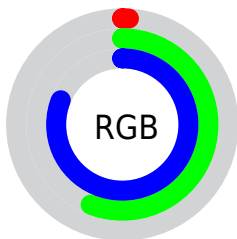
Format	Color
R_{YB}	2, 85, 206
Decimal	167630
CIE _{Lab}	56.00, -8.49, -41.73
CIE _{LCh}	56, 42.581, 258.495
Yxy	23.9124, 0.1956, 0.2236
Android (android.graphics.Color)	4278357710 (0xFF028ECE)
YUV	107.4360, 48.5921, -92.4674
Hunter-Lab	48.9003, -9.2383, -41.0691

Details

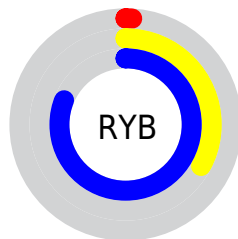
The CIELCh color **56, 42.581, 258.495** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **48, 79.758, 47.849**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **75, 39.436, 254.142**, and **38, 38.647, 270.172** is the 20% darker color. If you saturate the color by 10%, you get **56, 42.773, 258.855**, and if you desaturate by 10%, it is **58, 40.068, 253.554**.

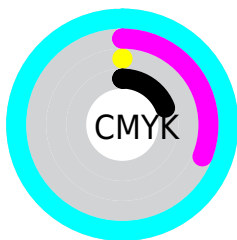
Distribution



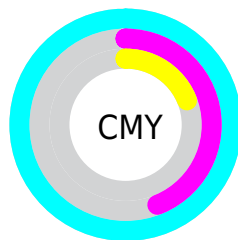
- Red (1%)
- Green (56%)
- Blue (81%)



- Red (1%)
- Yellow (33%)
- Blue (81%)



- Cyan (99%)
- Magenta (31%)
- Yellow (0%)
- Black (19%)




- Cyan (99%)
- Magenta (44%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 42.581, 258.495 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, 42.581, 258.495 by changing the saturation by 10% instead.


 56, 42.581,
258.495


 56, 42.581,
258.495


 100, 42.581,
258.495


 46, 42.581,
258.495


 76, 42.581,
258.495

 36, 42.581,
258.495

 86, 42.581,
258.495

 26, 42.581,
258.495

 96, 42.581,
258.495

 16, 42.581,
258.495

 6, 42.581, 258.495

 0, 42.581, 258.495

■ 56, 42.581,
258.495

■ 56, 42.581,
258.495

■ 56, 42.773,
258.855

■ 58, 40.068,
253.554

■ 60, 37.364,
249.122

■ 63, 34.265,
245.367

■ 65, 30.671,
242.272

■ 68, 26.552,
239.766

■ 71, 21.928,
237.761

■ 74, 16.848,
236.170

■ 77, 11.380,

234.916

■ 80, 5.592, 233.958

Harmonies

Complementary

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



56, 42.581, 258.495



48, 79.758, 47.849

Rectangle

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



56, 42.581, 258.495



56, 42.581, 308.495



56, 42.581, 78.495



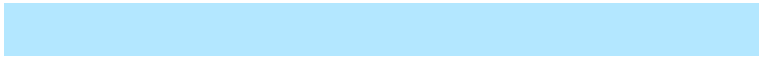
56, 42.581, 128.495

Sweetspot

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



56, 42.580, 258.496



89, 20.451, 236.328



73, 90.353, 141.118



46, 13.778, 236.979



0, 0.000, 0.000



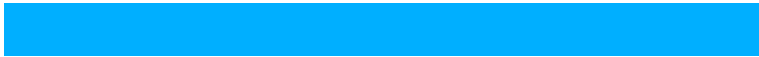
53, 0.007, 296.813

Same Dimension

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



56, 42.580, 258.496



68, 50.512, 259.547



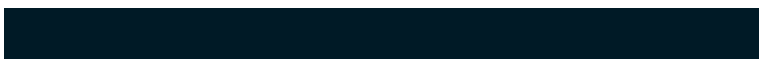
30, 99.738, 302.465



41, 3.393, 233.968



45, 36.056, 257.982



8, 12.195, 246.380

Inverse Universe

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



46, 77.917, 345.852



56, 91.234, 346.297



70, 72.651, 87.855



40, 6.054, 335.414



37, 66.440, 345.638



4, 22.510, 341.525

Previews

White Background



This preview shows how the CIE LCh color 56, 42.581, 258.495 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, 42.581, 258.495 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

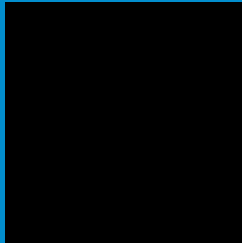
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 56, 42.581, 258.495

Background



This preview shows how black text looks on a background with the CIELCh color 56, 42.581, 258.495.

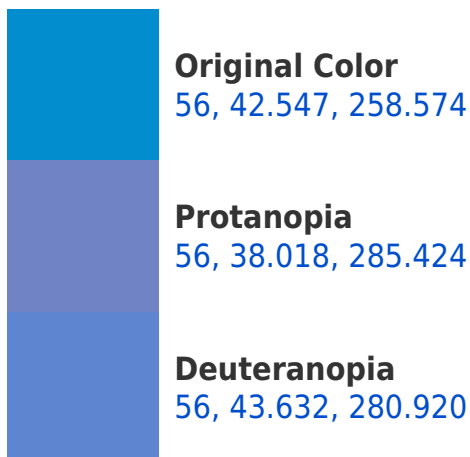


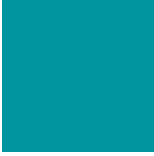
This preview shows how white text looks on a background with the CIELCh color 56, 42.581, 258.495.

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, 32.485, 206.894

Trichromacy



Original Color
56, 42.547, 258.574



Protanomaly
55, 39.791, 269.874



Deuteranomaly
55, 43.394, 269.994



Tritanomaly
56, 32.934, 227.777

Monochromacy



Original Color
56, 42.547, 258.574



Achromatopsia
45, 0.006, 296.813



Achromatomaly
48, 20.588, 239.734

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 42.581, 258.495 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(2, 142, 206)` looks like.

```
.text, #text, p{  
    color:rgb(2, 142, 206)  
}
```

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(2, 142, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 142, 206) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 42.581, 258.495 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(2, 142, 206) }
```

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

```
.border{ border-color:rgb(2, 142, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 142, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 142, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 142, 206);  
box-shadow:4px 4px 4px 4px rgb(2, 142,  
206) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 42.581, 258.495 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 142, 206) }
```

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

```
.background{ background-color: rgb(2, 142,  
206) }
```

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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