

Converting Colors

CIELCh(56, 42.181, 257.863)

Have a look what the booklet for
CIELCh(56, 42.181, 257.863)
contains.

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Color

CIELCh(56, 42.147, 257.944)

Conversions

Conversions Part 1

Format	Color
Hex	048ECD
RGB	4, 142, 205
RGB Percent	2%, 56%, 80%
CMY	0.9843, 0.4416, 0.1945
CMYK	0.98, 0.31, 0.00, 0.19
HSL	199°, 96%, 41%
HSV	199°, 98%, 81%
XYZ	20.8483, 23.9124, 61.5354
YIQ	107.9200, -102.4710, -9.6630

Conversions

Conversions Part 2

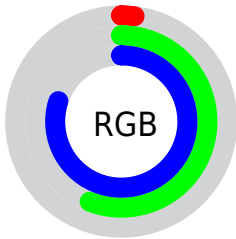
Format	Color
R_{YB}	4, 86, 205
Decimal	298701
CIE Lab	56.00, -8.80, -41.22
CIE LCh	56, 42.147, 257.944
Yxy	23.9124, 0.1961, 0.2250
Android (android.graphics.Color)	4278488781 (0xFF048ECD)
YUV	107.9200, 47.8604, -91.1378
Hunter-Lab	48.9003, -9.4734, -40.3793

Details

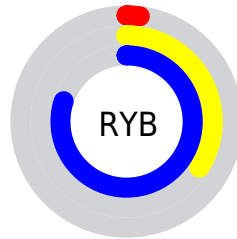
The CIELCh color **56, 42.147, 257.944** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **48, 78.662, 47.983**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **75, 39.436, 254.142**, and **38, 38.140, 269.556** is the 20% darker color. If you saturate the color by 10%, you get **56, 42.649, 258.894**, and if you desaturate by 10%, it is **58, 39.637, 253.027**.

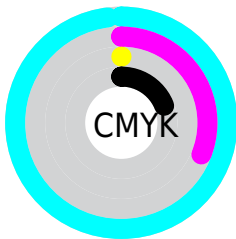
Distribution



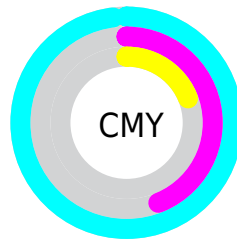
- Red (2%)
- Green (56%)
- Blue (80%)



- Red (2%)
- Yellow (34%)
- Blue (80%)



- Cyan (98%)
- Magenta (31%)
- Yellow (0%)
- Black (19%)



- Cyan (98%)
- Magenta (44%)
- Yellow (19%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 42.147, 257.944 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, 42.147, 257.944 by changing the saturation by 10% instead.


 56, 42.147,
257.944

 56, 42.147,
257.944

 100, 42.147,
257.944

 46, 42.147,
257.944


 76, 42.147,
257.944

 36, 42.147,
257.944

 86, 42.147,
257.944

 26, 42.147,
257.944

 96, 42.147,
257.944

 16, 42.147,
257.944

 6, 42.147, 257.944

 0, 42.147, 257.944

■ 56, 42.147,
257.944

■ 56, 42.147,
257.944

■ 56, 42.649,
258.894

■ 58, 39.637,
253.027

■ 60, 36.898,
248.676

■ 63, 33.750,
245.003

■ 65, 30.103,
241.983

■ 68, 25.933,
239.542

■ 71, 21.265,
237.591

■ 74, 16.152,
236.042

■ 77, 10.661,

234.824

■ 80, 4.859, 233.903

Harmonies

Complementary

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



56, 42.147, 257.944



48, 78.662, 47.983

Rectangle

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



56, 42.147, 257.944



56, 42.147, 307.944



56, 42.147, 77.944



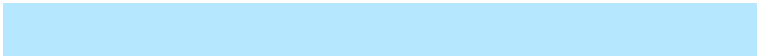
56, 42.147, 127.944

Sweetspot

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



56, 42.146, 257.945



89, 19.827, 236.225



72, 89.439, 141.341



46, 13.435, 236.869



0, 0.000, 0.000



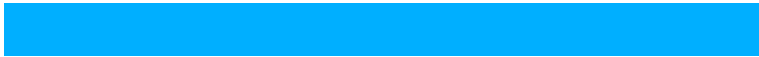
53, 0.007, 296.813

Same Dimension

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



56, 42.146, 257.945



68, 50.538, 259.602



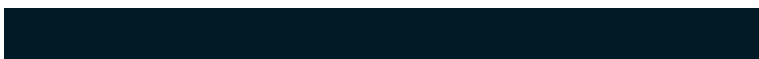
30, 98.299, 302.177



41, 3.393, 234.006



45, 36.074, 258.037



8, 12.198, 246.434

Inverse Universe

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



46, 77.599, 345.623



56, 91.217, 346.320



69, 72.192, 88.042



40, 6.053, 335.427



37, 66.428, 345.661



4, 22.504, 341.543

Previews

White Background



This preview shows how the CIE LCh color 56, 42.147, 257.944 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, 42.147, 257.944 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

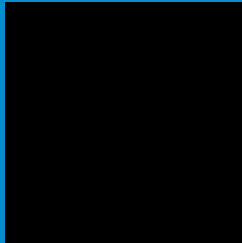
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 56, 42.147, 257.944

Background



This preview shows how black text looks on a background with the CIELCh color 56, 42.147, 257.944.

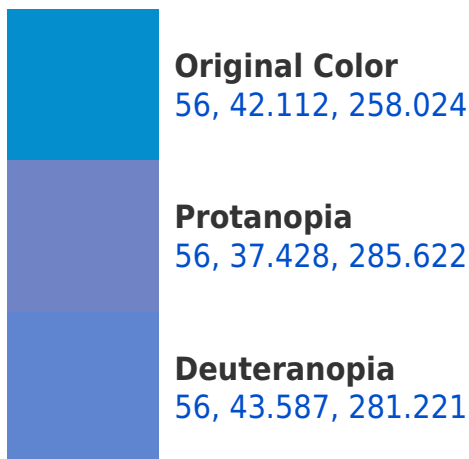


This preview shows how white text looks on a background with the CIELCh color 56, 42.147, 257.944.

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, 32.269, 208.049

Trichromacy



Original Color
56, 42.112, 258.024



Protanomaly
55, 39.170, 269.898



Deuteranomaly
55, 43.287, 270.380



Tritanomaly
56, 32.945, 229.013

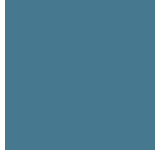
Monochromacy



Original Color
56, 42.112, 258.024



Achromatopsia
46, 0.006, 296.813



Achromatomaly
48, 20.290, 238.162

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 42.147, 257.944 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(4, 142, 205)` looks like.

```
.text, #text, p{  
    color:rgb(4, 142, 205)  
}
```

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(4, 142, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 142, 205) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 42.147, 257.944 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(4, 142, 205) }
```

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

```
.border{ border-color:rgb(4, 142, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 142, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 142, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 142, 205);  
box-shadow:4px 4px 4px 4px rgb(4, 142,  
205) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 42.147, 257.944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 142, 205) }
```

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

```
.background{ background-color: rgb(4, 142,  
205) }
```

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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