

Converting Colors

CIELCh(56, 22.686, 285.423)

Have a look what the booklet for
CIELCh(56, 22.686, 285.423)
contains.

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Color

CIELCh(56, 22.446, 284.920)

Conversions

Conversions Part 1

Format	Color
Hex	7C85AC
RGB	124, 133, 172
RGB Percent	49%, 52%, 67%
CMY	0.5150, 0.4797, 0.3268
CMYK	0.28, 0.23, 0.00, 0.33
HSL	229°, 22%, 58%
HSV	229°, 28%, 67%
XYZ	24.0215, 23.9124, 42.2071
YIQ	134.7550, -17.8830, 10.2210

Conversions

Conversions Part 2

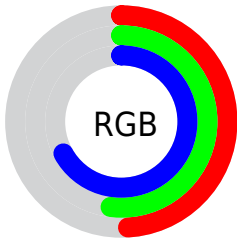
Format	Color
R_{YB}	124, 132, 172
Decimal	8160684
CIE Lab	56.00, 5.78, -21.69
CIE LCh	56, 22.446, 284.920
Yxy	23.9124, 0.2665, 0.2653
Android (android.graphics.Color)	4286350764 (0xFF7C85AC)
YUV	134.7550, 18.3618, -9.4321
Hunter-Lab	48.9003, 2.1098, -16.9445

Details

The CIELCh color `56, 22.446, 284.920` is a dark color, and the websafe version is hex `9999CC`. A complement of this color would be `67, 21.688, 97.961`, and the grayscale version is `56, 0.007, 296.813`.

A 20% lighter version of the original color is `76, 22.208, 284.468`, and `36, 22.464, 284.878` is the 20% darker color. If you saturate the color by 10%, you get `51, 30.965, 286.716`, and if you desaturate by 10%, it is `61, 14.198, 283.381`.

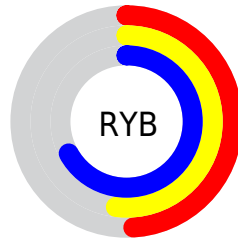
Distribution



Red (49%)

Green (52%)

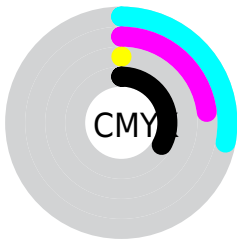
Blue (67%)



Red (49%)

Yellow (52%)

Blue (67%)

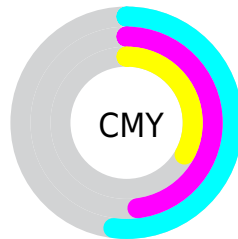


Cyan (28%)

Magenta (23%)

Yellow (0%)

Black (33%)



Cyan (52%)


Magenta (48%)


Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 22.446, 284.920 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, 22.446, 284.920 by changing the saturation by 10% instead.


 56, 22.446,
284.920


 56, 22.446,
284.920


 100, 22.446,
284.920


 46, 22.446,
284.920


 76, 22.446,
284.920

 36, 22.446,
284.920

 86, 22.446,
284.920

 26, 22.446,
284.920

 96, 22.446,
284.920

 16, 22.446,
284.920

 6, 22.446, 284.920

 0, 22.446, 284.920

56, 22.446,
284.920

56, 22.446,
284.920

51, 30.965,
286.716

61, 14.198,
283.381

46, 39.784,
288.802

66, 6.202, 282.072

71, 1.562, 100.829

41, 48.921,
291.193

76, 9.109, 99.921

36, 58.359,
293.865

81, 16.450, 99.077

32, 67.981,
296.734

86, 23.595, 98.338

91, 30.554, 97.688

28, 77.454,
299.624

96, 36.969,
100.730

24, 86.127,
302.247

98, 41.727,
106.992

24, 87.742,

Harmonies

Complementary

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



56, 22.446, 284.920



67, 21.688, 97.961

Rectangle

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



56, 22.446, 284.920



56, 22.446, 334.920



56, 22.446, 104.920



56, 22.446, 154.920

Sweetspot

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



56, 22.445, 284.919



84, 7.759, 282.095



67, 18.049, 180.714



44, 5.518, 282.274



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



56, 22.445, 284.919



68, 34.307, 286.085



55, 28.202, 303.647



34, 4.459, 282.236



20, 78.910, 302.423



1, 9.669, 283.084

Inverse Universe

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



57, 20.172, 7.177



69, 30.941, 8.150



68, 26.700, 120.204



34, 3.931, 4.977



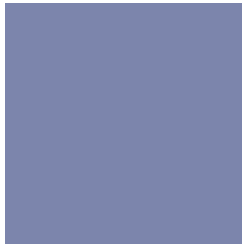
31, 62.671, 29.414



2, 8.015, 6.892

Previews

White Background



This preview shows how the CIELCh color 56, 22.446, 284.920 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, 22.446, 284.920 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

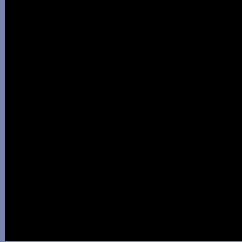
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 56, 22.446, 284.920

Background



This preview shows how black text looks on a background with the CIELCh color 56, 22.446, 284.920.



This preview shows how white text looks on a background with the CIELCh color 56, 22.446, 284.920.

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

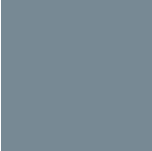
56, 22.446, 284.920

Protanopia

56, 22.446, 284.920

Deuteranopia

56, 22.932, 288.560



Tritanopia
56, 8.985, 243.636

Trichromacy



Original Color
56, 22.446, 284.920

Protanomaly
56, 22.446, 284.920

Deuteranomaly
56, 22.953, 287.719

Tritanomaly
56, 13.410, 269.764

Monochromacy



Original Color
56, 22.446, 284.920

Achromatopsia
56, 0.007, 296.813

Achromatomaly
56, 8.125, 280.518

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 22.446, 284.920 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(124, 133, 172)` looks like.

```
.text, #text, p{  
    color:rgb(124, 133, 172)  
}
```

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(124, 133, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 133, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 22.446, 284.920 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(124, 133, 172) }
```

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

```
.border{ border-color:rgb(124, 133, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 133, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 133, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 133, 172);  
box-shadow:4px 4px 4px 4px rgb(124, 133,  
172) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 22.446, 284.920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 133, 172) }
```

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

```
.background{ background-color: rgb(124,  
133, 172) }
```

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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