

Converting Colors

CIELCh(56, 22.600, 105.233)

Have a look what the booklet for
CIELCh(56, 22.600, 105.233)
contains.

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Color

CIELCh(56, 22.600, 105.233)

Conversions

Conversions Part 1

Format	Color
Hex	8A8860
RGB	138, 136, 96
RGB Percent	54%, 53%, 38%
CMY	0.4582, 0.4661, 0.6230
CMYK	0.00, 0.01, 0.30, 0.46
HSL	57°, 18%, 46%
HSV	57°, 30%, 54%
XYZ	21.4482, 23.9124, 14.5849
YIQ	132.0380, 14.0320, -12.0160

Conversions

Conversions Part 2

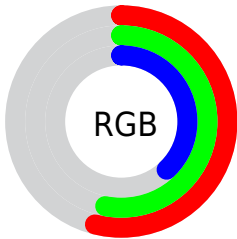
Format	Color
RYB	98, 138, 96
Decimal	9078880
CIELab	56.00, -5.94, 21.81
CIELCh	56, 22.600, 105.233
Yxy	23.9124, 0.3578, 0.3989
Android (android.graphics.Color)	4287268960 (0xFF8A8860)
YUV	132.0380, -17.7667, 5.2287
Hunter-Lab	48.9003, -7.2835, 16.5465

Details

The CIELCh color $56, 22.600, 105.233$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $43, 24.102, 291.926$, and the grayscale version is $55, 0.007, 296.813$.

A 20% lighter version of the original color is $76, 22.429, 104.976$, and $36, 22.444, 105.157$ is the 20% darker color. If you saturate the color by 10%, you get $56, 29.826, 104.262$, and if you desaturate by 10%, it is $56, 15.227, 106.221$.

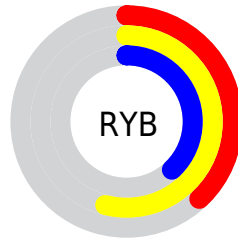
Distribution



Red (54%)

Green (53%)

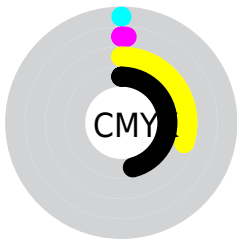
Blue (38%)



Red (38%)

Yellow (54%)

Blue (38%)

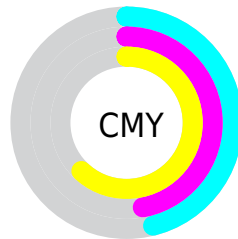


Cyan (0%)

Magenta (1%)

Yellow (30%)

Black (46%)



Cyan (46%)


Magenta (47%)


Yellow (62%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 22.600, 105.233 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, 22.600, 105.233 by changing the saturation by 10% instead.


 56, 22.600,
105.233


 56, 22.600,
105.233

 100, 22.600,
105.233


 46, 22.600,
105.233


 76, 22.600,
105.233

 36, 22.600,
105.233

 86, 22.600,
105.233

 26, 22.600,
105.233

 96, 22.600,
105.233

 16, 22.600,
105.233

 6, 22.600, 105.233

 0, 22.600, 105.233

■ 56, 22.600,
105.233

■ 56, 22.600,
105.233

■ 56, 29.826,
104.262

■ 56, 15.227,
106.221

■ 55, 36.787,
103.315

■ 57, 7.777, 107.197

■ 58, 0.298, 107.958

■ 55, 43.305,
102.419

■ 58, 7.179, 289.120

■ 55, 49.117,
101.599

■ 59, 14.636,
290.025

■ 54, 53.879,
100.883

■ 59, 22.058,
290.897

■ 54, 57.222,
100.297

■ 60, 29.437,
291.731

■ 54, 59.379, 99.826

■ 61, 36.767,
292.524

■ 62, 44.041,
293.276

Harmonies

Complementary

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



56, 22.600, 105.233



43, 24.102, 291.926

Rectangle

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



56, 22.600, 105.233



56, 22.600, 155.233



56, 22.600, 285.233



56, 22.600, 335.233

Sweetspot

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



56, 22.601, 105.237



72, 8.289, 107.315



45, 18.310, 18.014



38, 5.738, 107.191



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



56, 22.601, 105.237



71, 32.853, 104.615



55, 25.066, 125.886



29, 4.205, 107.319



52, 57.648, 99.838



1, 1.959, 108.207

Inverse Universe

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



43, 24.102, 291.926



51, 35.623, 292.950



44, 26.242, 308.835



27, 4.286, 289.156



15, 79.855, 305.439



0, 1.959, 288.209

Previews

White Background



This preview shows how the CIELCh color 56, 22.600, 105.233 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, 22.600, 105.233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

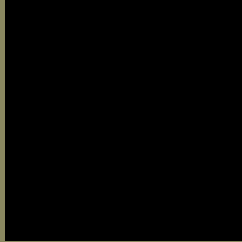
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 56, 22.600, 105.233

Background



This preview shows how black text looks on a background with the CIELCh color 56, 22.600, 105.233.



This preview shows how white text looks on a background with the CIELCh color 56, 22.600, 105.233.

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, 22.600, 105.233

Protanopia

56, 22.623, 95.171

Deuteranopia

56, 22.300, 71.571



Tritanopia
56, 8.380, 331.597

Trichromacy



Original Color
56, 22.600, 105.233

Protanomaly
56, 22.888, 98.633

Deuteranomaly
56, 21.651, 85.059

Tritanomaly
56, 5.699, 64.037

Monochromacy



Original Color
56, 22.600, 105.233

Achromatopsia
55, 0.007, 296.813

Achromatomaly
56, 8.554, 109.135

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 22.600, 105.233 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(138, 136, 96)` looks like.

```
.text, #text, p{  
    color:rgb(138, 136, 96)  
}
```

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(138, 136, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 136, 96) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 22.600, 105.233 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(138, 136, 96) }
```

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

```
.border{ border-color:rgb(138, 136, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 136, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 136, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 136, 96);  
box-shadow:4px 4px 4px 4px rgb(138, 136,  
96) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 22.600, 105.233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 136, 96) }
```

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

```
.background{ background-color: rgb(138,  
136, 96) }
```

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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