

Converting Colors

CIELCh(25, 49.342, 62.483)

Have a look what the booklet for
CIELCh(25, 49.342, 62.483) contains.

CIELCh(25, 42.579, 56.685)	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(25, 42.579, 56.685)

Conversions

Conversions Part 1

Format	Color
Hex	642B00
RGB	100, 43, 0
RGB Percent	39%, 17%, 0%
CMY	0.6085, 0.8320, 1.0000
CMYK	0.00, 0.57, 1.00, 0.61
HSL	26°, 100%, 20%
HSV	26°, 100%, 39%
XYZ	6.0931, 4.4155, 0.5259
YIQ	55.1410, 47.7750, -1.2890

Conversions

Conversions Part 2

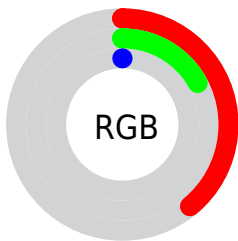
Format	Color
RYB	100, 75, 0
Decimal	6564608
CIELab	25.00, 23.39, 35.58
CIELCh	25, 42.579, 56.685
Yxy	4.4155, 0.5522, 0.4002
Android (android.graphics.Color)	4284754688 (0xFF642B00)
YUV	55.1410, -27.1845, 39.3413
Hunter-Lab	21.0130, 14.9862, 13.2253

Details

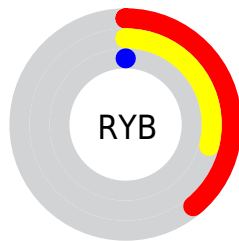
The CIELCh color **25, 42.579, 56.685** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **23, 29.913, 273.030**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **45, 42.722, 56.957**, and **5, 24.591, 20.538** is the 20% darker color. If you saturate the color by 10%, you get **25, 42.520, 56.627**, and if you desaturate by 10%, it is **26, 38.556, 58.091**.

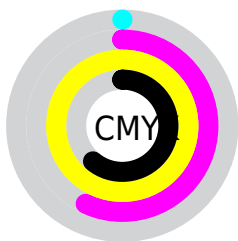
Distribution



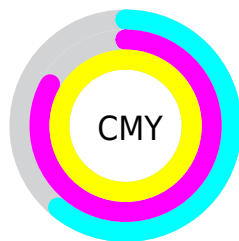
- Red (39%)
- Green (17%)
- Blue (0%)



- Red (39%)
- Yellow (29%)
- Blue (0%)



- Cyan (0%)
- Magenta (57%)
- Yellow (100%)
- Black (61%)



- Cyan (61%)
- Magenta (83%)
- Yellow (100%)
- Black (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 25, 42.579, 56.685 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 25, 42.579, 56.685 by changing the saturation by 10% instead.

■ 25, 42.579, 56.685

■ 25, 42.579, 56.685

■ 100, 42.579,
56.685

■ 15, 42.579, 56.685

■ 45, 42.579, 56.685

■ 5, 42.579, 56.685

■ 55, 42.579, 56.685

■ 0, 42.579, 56.685

■ 65, 42.579, 56.685

■ 75, 42.579, 56.685

■ 85, 42.579, 56.685

■ 95, 42.579, 56.685

■ 25, 42.579, 56.685

■ 25, 42.579, 56.685

■ 25, 42.520, 56.627

■ 26, 38.556, 58.091

■ 28, 34.083, 59.395

■ 29, 29.307, 60.440

■ 31, 24.536, 61.405

■ 33, 19.910, 62.360

■ 35, 15.489, 63.331

■ 37, 11.294, 64.321

■ 38, 7.322, 65.322

■ 40, 3.562, 66.307

Harmonies

Complementary

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



25, 42.579, 56.685



23, 29.913, 273.030

Rectangle

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



25, 42.579, 56.685



25, 42.579, 106.685



25, 42.579, 236.685



25, 42.579, 286.685

Sweetspot

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



25, 42.520, 56.627



47, 14.072, 64.233



20, 44.060, 352.302



23, 9.758, 63.934



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



25, 42.520, 56.627



33, 53.007, 56.333



38, 46.040, 97.571



20, 2.030, 66.406



29, 47.955, 56.606



61, 85.195, 54.467

Inverse Universe

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



23, 29.913, 273.030



31, 37.001, 274.620



10, 62.557, 304.255



20, 1.973, 248.460



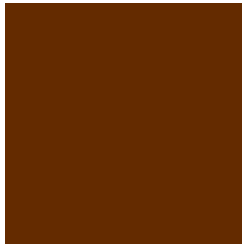
27, 33.457, 273.917



57, 61.064, 277.107

Previews

White Background



This preview shows how the CIELCh color 25, 42.579, 56.685 looks on a white 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 ✓ Pass

Black Background



This preview shows how the CIELCh color 25, 42.579, 56.685 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

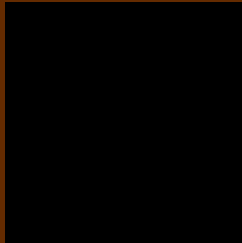
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 42.579, 56.685

Background



This preview shows how black text looks on a background with the CIELCh color 25, 42.579, 56.685.



This preview shows how white text looks on a background with the CIELCh color 25, 42.579, 56.685.

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

25, 42.579, 56.685

Protanopia

26, 30.946, 96.661

Deuteranopia

25, 34.495, 85.393



Tritanopia
25, 30.420, 24.313

Trichromacy



Original Color
25, 42.579, 56.685

Protanomaly
25, 32.585, 77.478

Deuteranomaly
25, 36.201, 72.844

Tritanomaly
25, 34.226, 40.503

Monochromacy



Original Color
25, 42.579, 56.685

Achromatopsia
23, 0.004, 296.813

Achromatomaly
23, 15.181, 64.096

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 42.579, 56.685 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(100, 43, 0)` looks like.

```
.text, #text, p{  
    color:rgb(100, 43, 0)  
}
```

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(100, 43, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 43, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 42.579, 56.685 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(100, 43, 0) }
```

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

```
.border{ border-color:rgb(100, 43, 0) }
```

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

Here you see how a box with a 4 pixel rgb(100, 43, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 43, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 43, 0);  
box-shadow:4px 4px 4px 4px rgb(100, 43, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 42.579, 56.685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 43, 0) }
```

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

```
.background{ background-color: rgb(100, 43,  
0) }
```

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