

Converting Colors

CIELCh(25, 7.067, 359.613)

Have a look what the booklet for
CIELCh(25, 7.067, 359.613) contains.

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Color

CIELCh(25, 6.973, 358.723)

Conversions

Conversions Part 1

Format	Color
Hex	46383C
RGB	70, 56, 60
RGB Percent	27%, 22%, 24%
CMY	0.7266, 0.7815, 0.7658
CMYK	0.00, 0.20, 0.14, 0.73
HSL	343°, 11%, 25%
HSV	343°, 20%, 27%
XYZ	4.7133, 4.4155, 4.8395
YIQ	60.6420, 7.0600, 4.2120

Conversions

Conversions Part 2

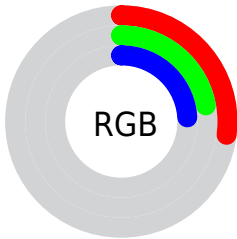
Format	Color
R_{YB}	70, 56, 60
Decimal	4601916
CIE Lab	25.00, 6.97, -0.16
CIE LCh	25, 6.973, 358.723
Yxy	4.4155, 0.3374, 0.3161
Android (android.graphics.Color)	4282791996 (0xFF46383C)
YUV	60.6420, -0.3165, 8.2070
Hunter-Lab	21.0130, 3.2652, 1.0541

Details

The CIELCh color $25, 6.973, 358.723$ is a dark color, and the websafe version is hex 333333 . A complement of this color would be $28, 6.606, 175.306$, and the grayscale version is $25, 0.004, 296.813$.

A 20% lighter version of the original color is $45, 6.690, 359.440$, and $5, 6.916, 356.515$ is the 20% darker color. If you saturate the color by 10%, you get $23, 10.614, 359.835$, and if you desaturate by 10%, it is $27, 3.434, 357.740$.

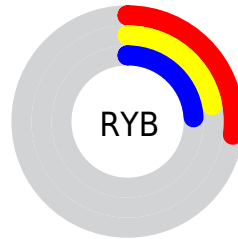
Distribution



 Red (27%)

 Green (22%)

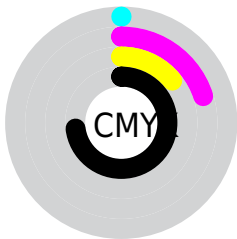
 Blue (24%)



 Red (27%)

 Yellow (22%)

 Blue (24%)

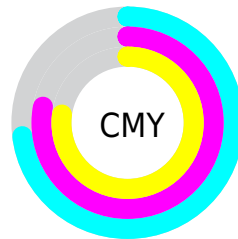


 Cyan (0%)

 Magenta (20%)

 Yellow (14%)

 Black (73%)



 Cyan (73%)

 Magenta (78%)

 Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 25, 6.973, 358.723 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, 6.973, 358.723 by changing the saturation by 10% instead.

■ 25, 6.973, 358.723

■ 25, 6.973, 358.723

■ 100, 6.973,
358.723

■ 15, 6.973, 358.723

■ 45, 6.973, 358.723

■ 5, 6.973, 358.723

■ 55, 6.973, 358.723

■ 0, 6.973, 358.723

■ 65, 6.973, 358.723

■ 75, 6.973, 358.723

■ 85, 6.973, 358.723

■ 95, 6.973, 358.723

■ 25, 6.973, 358.723

■ 25, 6.973, 358.723

23, 10.614,
359.835

21, 14.320, 1.119

19, 18.021, 2.638

17, 21.624, 4.467

15, 25.007, 6.703

14, 28.040, 9.459

13, 30.708, 12.719

12, 33.607, 15.186

27, 3.434, 357.740

30, 0.025, 347.686

32, 3.248, 176.285

34, 6.383, 175.574

37, 9.384, 174.949

39, 12.258,
174.383

41, 15.015,
173.864

44, 17.664,
173.386

46, 20.214,
172.943

Harmonies

Complementary

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



25, 6.973, 358.723



28, 6.606, 175.306

Rectangle

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



25, 6.973, 358.723



25, 6.973, 48.723



25, 6.973, 178.723



25, 6.973, 228.723

Sweetspot

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



25, 6.972, 358.728



37, 2.554, 357.366



25, 10.204, 316.481



18, 1.670, 357.385



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



25, 6.972, 358.728



32, 10.566, 359.256



26, 5.613, 39.168



13, 1.934, 357.601



19, 43.443, 18.683



48, 81.268, 23.225

Inverse Universe

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



25, 6.972, 358.728



32, 10.566, 359.256



28, 4.997, 220.146



13, 1.934, 357.601



19, 43.443, 18.683



48, 81.268, 23.225

Previews

White Background



This preview shows how the CIELCh color 25, 6.973, 358.723 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 CIE LCh color 25, 6.973, 358.723 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, 6.973, 358.723

Background



This preview shows how black text looks on a background with the CIELCh color 25, 6.973, 358.723.

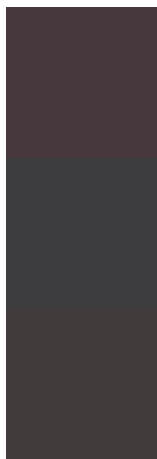


This preview shows how white text looks on a background with the CIELCh color 25, 6.973, 358.723.

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, 6.973, 358.723

Protanopia

25, 2.035, 303.263

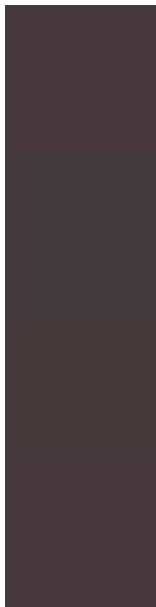
Deuteranopia

25, 3.291, 8.473



Tritanopia
25, 6.973, 358.723

Trichromacy



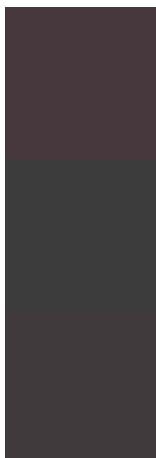
Original Color
25, 6.973, 358.723

Protanomaly
25, 3.378, 344.278

Deuteranomaly
25, 4.805, 4.471

Tritanomaly
25, 6.973, 358.723

Monochromacy



Original Color
25, 6.973, 358.723

Achromatopsia
25, 0.004, 296.813

Achromatomaly
25, 3.048, 354.390

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 6.973, 358.723 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(70, 56, 60)` looks like.

```
.text, #text, p{  
    color:rgb(70, 56, 60)  
}
```

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(70, 56, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 56, 60) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 6.973, 358.723 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(70, 56, 60) }
```

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

```
.border{ border-color:rgb(70, 56, 60) }
```

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

Here you see how a box with a 4 pixel rgb(70, 56, 60) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 56, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 56, 60);  
box-shadow:4px 4px 4px 4px rgb(70, 56, 60)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 6.973, 358.723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 56, 60) }
```

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

```
.background{ background-color: rgb(70, 56,  
60) }
```

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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