

Converting Colors

CIE LCh(25, 6.166, 65.256)

Have a look what the booklet for
CIELCh(25, 6.166, 65.256) contains.

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Color

CIELCh(25, 6.342, 65.991)

Conversions

Conversions Part 1

Format	Color
Hex	433A33
RGB	67, 58, 51
RGB Percent	26%, 23%, 20%
CMY	0.7384, 0.7737, 0.8011
CMYK	0.00, 0.13, 0.24, 0.74
HSL	26°, 14%, 23%
HSV	26°, 24%, 26%
XYZ	4.3833, 4.4155, 3.7199
YIQ	59.8930, 7.6110, -0.2690

Conversions

Conversions Part 2

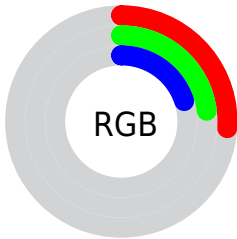
Format	Color
RYB	67, 63, 51
Decimal	4405811
CIELab	25.00, 2.58, 5.79
CIELCh	25, 6.342, 65.991
Yxy	4.4155, 0.3501, 0.3527
Android (android.graphics.Color)	4282595891 (0xFF433A33)
YUV	59.8930, -4.3842, 6.2328
Hunter-Lab	21.0130, 0.4622, 4.2131

Details

The CIELCh color $25, 6.342, 65.991$ is a dark color, and the websafe version is hex 333333 . A complement of this color would be $25, 5.865, 251.253$, and the grayscale version is $25, 0.004, 296.813$.

A 20% lighter version of the original color is $45, 6.404, 67.453$, and $5, 6.214, 63.560$ is the 20% darker color. If you saturate the color by 10%, you get $24, 9.223, 65.036$, and if you desaturate by 10%, it is $26, 3.603, 66.960$.

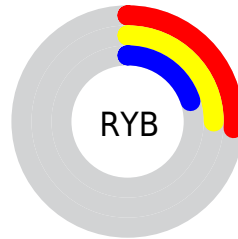
Distribution



Red (26%)

Green (23%)

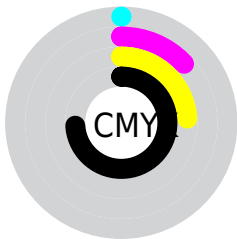
Blue (20%)



Red (26%)

Yellow (25%)

Blue (20%)

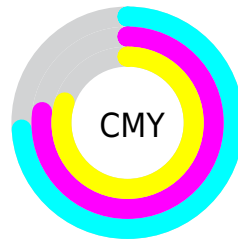


Cyan (0%)

Magenta (13%)

Yellow (24%)

Black (74%)



Cyan (74%)

Magenta (77%)

Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 25, 6.342, 65.991 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, 6.342, 65.991 by changing the saturation by 10% instead.

 25, 6.342, 65.991  25, 6.342, 65.991

 100, 6.342, 65.991  15, 6.342, 65.991

 45, 6.342, 65.991  5, 6.342, 65.991

 55, 6.342, 65.991  0, 6.342, 65.991

 65, 6.342, 65.991

 75, 6.342, 65.991

 85, 6.342, 65.991

 95, 6.342, 65.991

 25, 6.342, 65.991  25, 6.342, 65.991

 24, 9.223, 65.036  26, 3.603, 66.960

■ 22, 12.252, 64.080

■ 28, 0.997, 67.803

■ 21, 15.428, 63.137

■ 29, 1.489, 249.097

■ 20, 18.736, 62.203

■ 31, 3.866, 249.978

■ 19, 22.113, 61.225

■ 32, 6.144, 250.901

■ 18, 24.887, 59.380

■ 33, 8.334, 251.810

■ 16, 27.176, 57.127

■ 35, 10.447,
252.697

■ 16, 28.565, 56.000

■ 36, 12.490,
253.558

■ 38, 14.470,
254.389

Harmonies

Complementary

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



25, 6.342, 65.991



25, 5.865, 251.253

Rectangle

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



25, 6.342, 65.991



25, 6.342, 115.991



25, 6.342, 245.991



25, 6.342, 295.991

Sweetspot

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



25, 6.342, 66.002



36, 2.208, 67.566



23, 9.460, 341.948



17, 1.412, 67.564



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



25, 6.342, 66.002



32, 9.698, 65.398



27, 9.614, 105.201



12, 1.408, 67.462



24, 41.294, 57.275



57, 79.955, 55.241

Inverse Universe

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



25, 5.865, 251.253



31, 8.763, 252.188



22, 10.027, 289.880



12, 1.375, 249.354



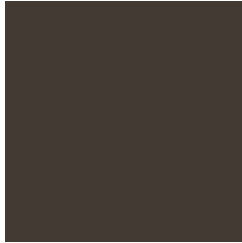
22, 29.678, 273.885



52, 58.418, 277.901

Previews

White Background



This preview shows how the CIELCh color 25, 6.342, 65.991 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, 6.342, 65.991 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

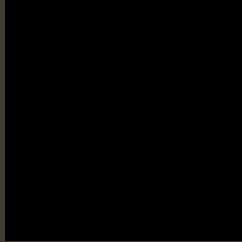
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 6.342, 65.991

Background



This preview shows how black text looks on a background with the CIELCh color 25, 6.342, 65.991.

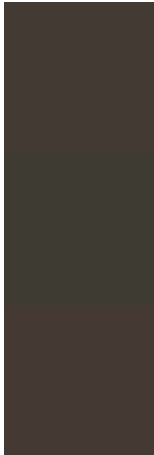


This preview shows how white text looks on a background with the CIELCh color 25, 6.342, 65.991.

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

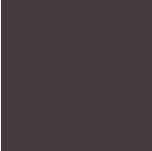
25, 6.342, 65.991

Protanopia

25, 5.437, 93.793

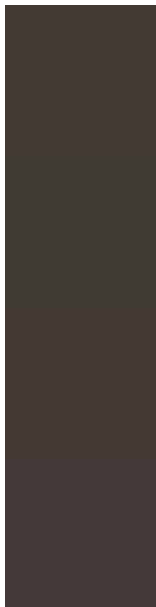
Deuteranopia

25, 6.650, 56.239



Tritanopia
25, 6.404, 349.820

Trichromacy



Original Color
25, 6.342, 65.991

Protanomaly
25, 5.768, 84.511

Deuteranomaly
25, 6.650, 56.239

Tritanomaly
25, 5.150, 20.324

Monochromacy



Original Color
25, 6.342, 65.991

Achromatopsia
25, 0.004, 296.813

Achromatomaly
25, 1.901, 63.083

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 6.342, 65.991 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(67, 58, 51)` looks like.

```
.text, #text, p{  
    color:rgb(67, 58, 51)  
}
```

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(67, 58, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 58, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 6.342, 65.991 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(67, 58, 51) }
```

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

```
.border{ border-color:rgb(67, 58, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 58, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 58, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 58, 51);  
box-shadow:4px 4px 4px 4px rgb(67, 58, 51)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 6.342, 65.991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 58, 51) }
```

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

```
.background{ background-color: rgb(67, 58,  
51) }
```

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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