

Converting Colors

CIELCh(25, 11.701, 323.730)

Have a look what the booklet for
CIELCh(25, 11.701, 323.730)
contains.

CIELCh(25, 11.642, 323.593)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(25, 11.642, 323.593)

Conversions

Conversions Part 1

Format	Color
Hex	453746
RGB	69, 55, 70
RGB Percent	27%, 22%, 27%
CMY	0.7301, 0.7850, 0.7262
CMYK	0.01, 0.21, 0.00, 0.73
HSL	296°, 12%, 24%
HSV	296°, 21%, 27%
XYZ	4.9003, 4.4155, 6.3598
YIQ	60.8960, 3.5290, 7.6330

Conversions

Conversions Part 2

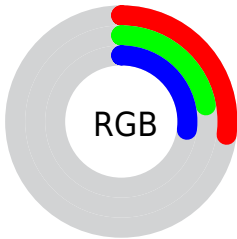
Format	Color
RYB	69, 55, 70
Decimal	4536134
CIELab	25.00, 9.37, -6.91
CIELCh	25, 11.642, 323.593
Yxy	4.4155, 0.3126, 0.2817
Android (android.graphics.Color)	4282726214 (0xFF453746)
YUV	60.8960, 4.4883, 7.1072
Hunter-Lab	21.0130, 4.8541, -3.2356

Details

The CIELCh color **25, 11.642, 323.593** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **28, 11.604, 141.542**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **45, 11.327, 323.397**, and **5, 11.442, 322.447** is the 20% darker color. If you saturate the color by 10%, you get **23, 17.080, 324.037**, and if you desaturate by 10%, it is **27, 6.192, 323.136**.

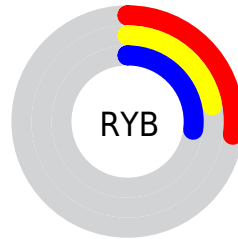
Distribution



 Red (27%)

 Green (22%)

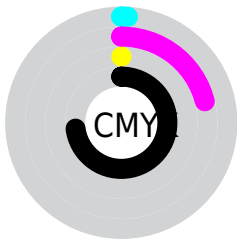
 Blue (27%)



 Red (27%)

 Yellow (22%)

 Blue (27%)

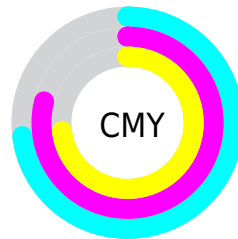


 Cyan (1%)

 Magenta (21%)

 Yellow (0%)

 Black (73%)



 Cyan (73%)


 Magenta (79%)


 Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 11.642, 323.593 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, 11.642, 323.593 by changing the saturation by 10% instead.

 25, 11.642,
323.593


 25, 11.642,
323.593

 100, 11.642,
323.593


 15, 11.642,
323.593


 45, 11.642,
323.593


 5, 11.642, 323.593

 55, 11.642,
323.593

 0, 11.642, 323.593

 65, 11.642,
323.593

 75, 11.642,
323.593

 85, 11.642,
323.593

 95, 11.642,

323.593

■ 25, 11.642,
323.593

■ 25, 11.642,
323.593

■ 23, 17.080,
324.037

■ 27, 6.192, 323.136

■ 29, 0.792, 322.563

■ 21, 22.422,
324.460

■ 32, 4.519, 142.295

■ 19, 27.554,
324.850

■ 34, 9.714, 141.857

■ 18, 32.331,
325.190

■ 36, 14.780,
141.446

■ 16, 36.583,
325.464

■ 38, 19.710,
141.057

■ 15, 40.136,
325.654

■ 41, 24.502,
140.690

■ 14, 43.036,
325.771

■ 43, 29.158,
140.345

■ 13, 45.630,
325.893

■ 45, 33.683,
140.023

Harmonies

Complementary

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



25, 11.642, 323.593



28, 11.604, 141.542

Rectangle

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



25, 11.642, 323.593



25, 11.642, 13.593



25, 11.642, 143.593



25, 11.642, 193.593

Sweetspot

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



25, 11.641, 323.593



37, 4.051, 322.886



24, 9.129, 288.858



18, 2.648, 322.896



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, 11.641, 323.593



32, 17.708, 323.844



25, 8.894, 340.926



13, 3.058, 323.002



21, 58.138, 325.772



51, 106.236, 325.591

Inverse Universe

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



25, 7.105, 15.486



31, 10.981, 16.047



28, 8.755, 157.869



13, 1.805, 14.368



19, 48.062, 32.954



47, 93.076, 37.867

Previews

White Background



This preview shows how the CIELCh color 25, 11.642, 323.593 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, 11.642, 323.593 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

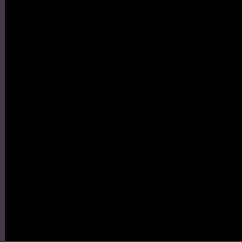
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 11.642, 323.593

Background



This preview shows how black text looks on a background with the CIELCh color 25, 11.642, 323.593.



This preview shows how white text looks on a background with the CIELCh color 25, 11.642, 323.593.

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](#).

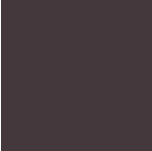
Dichromacy



Original Color
25, 11.642, 323.593

Protanopia
25, 9.276, 284.466

Deuteranopia
25, 7.394, 301.680



Tritanopia
25, 6.404, 349.820

Trichromacy



Original Color
25, 11.642, 323.593

Protanomaly
25, 10.085, 301.791

Deuteranomaly
25, 8.516, 312.581

Tritanomaly
25, 7.557, 336.766

Monochromacy



Original Color
25, 11.642, 323.593

Achromatopsia
26, 0.004, 296.813

Achromatomaly
26, 3.994, 324.787

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 11.642, 323.593 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(69, 55, 70)` looks like.

```
.text, #text, p{  
    color:rgb(69, 55, 70)  
}
```

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(69, 55, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 55, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 11.642, 323.593 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(69, 55, 70) }
```

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

```
.border{ border-color:rgb(69, 55, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 55, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 55, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 55, 70);  
box-shadow:4px 4px 4px 4px rgb(69, 55, 70)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 11.642, 323.593 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 55, 70) }
```

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

```
.background{ background-color: rgb(69, 55,  
70) }
```

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