

Converting Colors

CIELCh(21, 63.142, 350.684)

Have a look what the booklet for
CIELCh(21, 63.142, 350.684)
contains.

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Color

CIELCh(25, 49.733, 355.555)

Conversions

Conversions Part 1

Format	Color
Hex	790043
RGB	121, 0, 67
RGB Percent	47%, 0%, 26%
CMY	0.5273, 1.0000, 0.7388
CMYK	0.00, 1.00, 0.45, 0.53
HSL	327°, 100%, 24%
HSV	327°, 100%, 47%
XYZ	8.8130, 4.4155, 5.6378
YIQ	43.8170, 50.6090, 46.4890

Conversions

Conversions Part 2

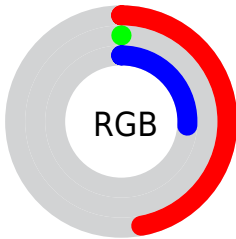
Format	Color
RYB	121, 0, 67
Decimal	7929923
CIELab	25.00, 49.58, -3.85
CIElCh	25, 49.733, 355.555
Yxy	4.4155, 0.4671, 0.2340
Android (android.graphics.Color)	4286120003 (0xFF790043)
YUV	43.8170, 11.4292, 67.6895
Hunter-Lab	21.0130, 38.0915, -1.1984

Details

The CIELCh color **25, 49.733, 355.555** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **44, 52.870, 147.563**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **45, 49.811, 355.610**, and **11, 32.329, 7.558** is the 20% darker color. If you saturate the color by 10%, you get **25, 49.580, 355.628**, and if you desaturate by 10%, it is **26, 48.040, 352.886**.

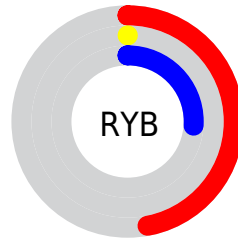
Distribution



Red (47%)

Green (0%)

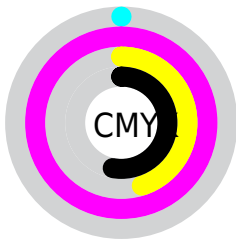
Blue (26%)



Red (47%)

Yellow (0%)

Blue (26%)

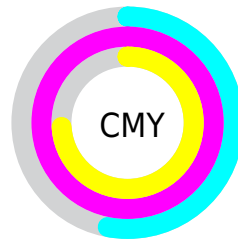


Cyan (0%)

Magenta (100%)

Yellow (45%)

Black (53%)



Cyan (53%)


Magenta (100%)


Yellow (74%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 49.733, 355.555 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, 49.733, 355.555 by changing the saturation by 10% instead.

 25, 49.733,
355.555


 25, 49.733,
355.555

 100, 49.733,
355.555


 15, 49.733,
355.555


 45, 49.733,
355.555


 5, 49.733, 355.555

 55, 49.733,
355.555

 0, 49.733, 355.555

 65, 49.733,
355.555

 75, 49.733,
355.555

 85, 49.733,
355.555

 95, 49.733,

355.555

■ 25, 49.733,
355.555

■ 25, 49.733,
355.555

■ 25, 49.580,
355.628

■ 26, 48.040,
352.886

■ 27, 45.702,
350.470

■ 29, 42.039,
348.521

■ 32, 37.267,
346.922

■ 34, 31.684,
345.577

■ 37, 25.583,
344.419

■ 40, 19.209,
343.398

■ 44, 12.745,
342.480

■ 47, 6.317, 341.633

Harmonies

Complementary

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



25, 49.733, 355.555



44, 52.870, 147.563

Rectangle

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



25, 49.733, 355.555



25, 49.733, 45.555



25, 49.733, 175.555



25, 49.733, 225.555

Sweetspot

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



25, 49.580, 355.628



51, 23.673, 343.468



16, 72.399, 310.899



25, 16.280, 343.806



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



25, 49.580, 355.628



33, 59.444, 356.560



24, 56.493, 35.169



24, 3.600, 341.557



26, 50.849, 355.771



55, 84.951, 357.879

Inverse Universe

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



25, 49.580, 355.628



33, 59.444, 356.560



45, 30.439, 187.018



24, 3.600, 341.557



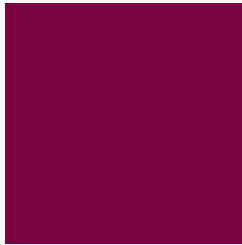
26, 50.849, 355.771



55, 84.951, 357.879

Previews

White Background



This preview shows how the CIE LCh color 25, 49.733, 355.555 looks on a white background.

Color Contrast Check

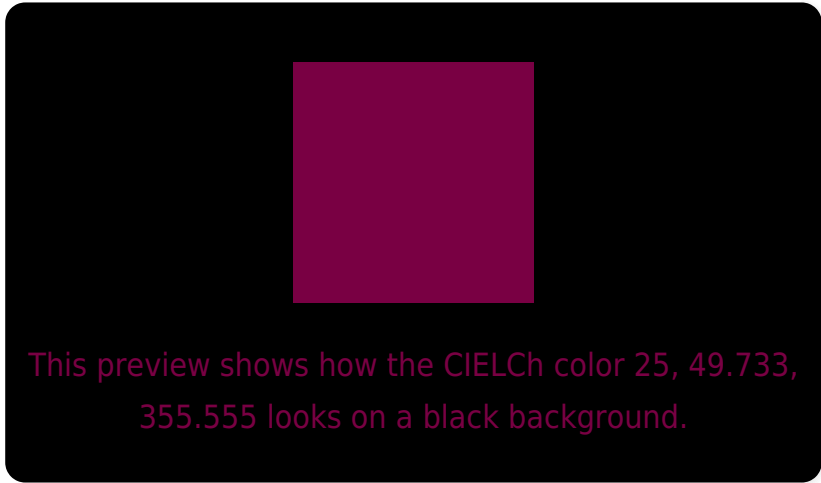
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

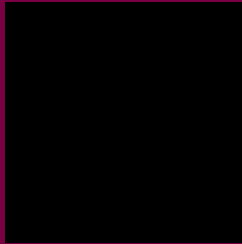
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 49.733, 355.555

Background



This preview shows how black text looks on a background with the CIELCh color 25, 49.733, 355.555.



This preview shows how white text looks on a background with the CIELCh color 25, 49.733, 355.555.

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, 49.733, 355.555

Protanopia

27, 22.321, 284.742

Deuteranopia

27, 4.176, 11.180



Tritanopia
26, 46.113, 31.248

Trichromacy



Original Color
25, 49.733, 355.555

Protanomaly
22, 33.193, 321.044

Deuteranomaly
23, 26.452, 348.576

Tritanomaly
25, 45.584, 17.850

Monochromacy



Original Color
25, 49.733, 355.555

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 24.874, 346.939

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 49.733, 355.555 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(121, 0, 67)` looks like.

```
.text, #text, p{  
    color:rgb(121, 0, 67)  
}
```

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(121, 0, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 0, 67) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 49.733, 355.555 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(121, 0, 67) }
```

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

```
.border{ border-color:rgb(121, 0, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 0, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 0, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 0, 67);  
box-shadow:4px 4px 4px 4px rgb(121, 0, 67)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 49.733, 355.555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 0, 67) }
```

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

```
.background{ background-color: rgb(121, 0,  
67) }
```

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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