

Converting Colors

CIELCh(25, 55.777, 41.417)

Have a look what the booklet for
CIELCh(25, 55.777, 41.417) contains.

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Color

CIELCh(25, 55.871, 41.391)

Conversions

Conversions Part 1

Format	Color
Hex	781200
RGB	120, 18, 0
RGB Percent	47%, 7%, 0%
CMY	0.5298, 0.9298, 1.0000
CMYK	0.00, 0.85, 1.00, 0.53
HSL	9°, 100%, 24%
HSV	9°, 100%, 47%
XYZ	7.9472, 4.4155, 0.4308
YIQ	46.4460, 66.5700, 16.0260

Conversions

Conversions Part 2

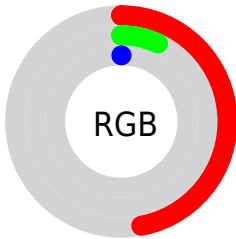
Format	Color
R_YB	120, 21, 0
Decimal	7868928
CIE Lab	25.00, 41.92, 36.94
CIE LCh	25, 55.871, 41.391
Yxy	4.4155, 0.6212, 0.3451
Android (android.graphics.Color)	4286059008 (0xFF781200)
YUV	46.4460, -22.8979, 64.5069
Hunter-Lab	21.0130, 30.7364, 13.4936

Details

The CIELCh color **25, 55.871, 41.391** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **39, 24.980, 223.326**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **45, 55.491, 41.469**, and **9, 32.563, 26.474** is the 20% darker color. If you saturate the color by 10%, you get **25, 55.847, 41.364**, and if you desaturate by 10%, it is **26, 51.027, 40.561**.

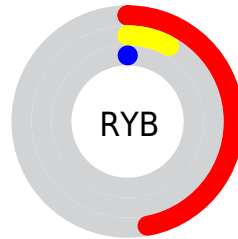
Distribution



Red (47%)

Green (7%)

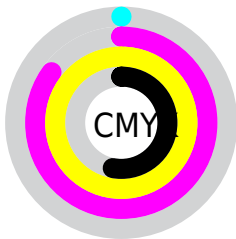
Blue (0%)



Red (47%)

Yellow (8%)

Blue (0%)

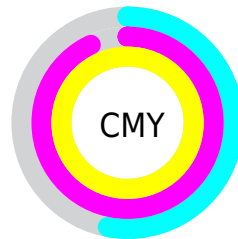


Cyan (0%)

Magenta (85%)

Yellow (100%)

Black (53%)



Cyan (53%)

Magenta (93%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 25, 55.871, 41.391 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, 55.871, 41.391 by changing the saturation by 10% instead.

 25, 55.871, 41.391

 25, 55.871, 41.391

 100, 55.871,
41.391

 15, 55.871, 41.391

 45, 55.871, 41.391

 5, 55.871, 41.391

 55, 55.871, 41.391

 0, 55.871, 41.391

 65, 55.871, 41.391

 75, 55.871, 41.391

 85, 55.871, 41.391

 95, 55.871, 41.391

 25, 55.871, 41.391

 25, 55.871, 41.391

■ 25, 55.847, 41.364

■ 26, 51.027, 40.561

■ 28, 44.872, 39.124

■ 30, 38.329, 37.639

■ 32, 31.844, 36.389

■ 35, 25.608, 35.422

■ 38, 19.718, 34.719

■ 41, 14.215, 34.238

■ 44, 9.105, 33.929

■ 47, 4.375, 33.732

Harmonies

Complementary

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



25, 55.871, 41.391



39, 24.980, 223.326

Rectangle

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



25, 55.871, 41.391



25, 55.871, 91.391



25, 55.871, 221.391



25, 55.871, 271.391

Sweetspot

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



25, 55.847, 41.364



52, 17.642, 34.267



27, 59.816, 334.107



26, 12.296, 34.414



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, 55.847, 41.364



33, 69.471, 42.233



36, 47.218, 73.770



24, 2.497, 33.714



26, 57.880, 41.579



54, 100.926, 41.783

Inverse Universe

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



39, 24.980, 223.326



51, 30.146, 224.086



21, 50.920, 293.111



25, 2.362, 213.907



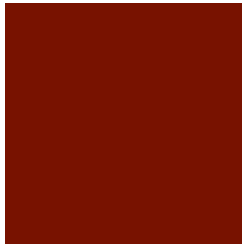
41, 25.726, 223.457



79, 43.242, 225.128

Previews

White Background



This preview shows how the CIE LCh color 25, 55.871, 41.391 looks on a white background.

Color Contrast Check

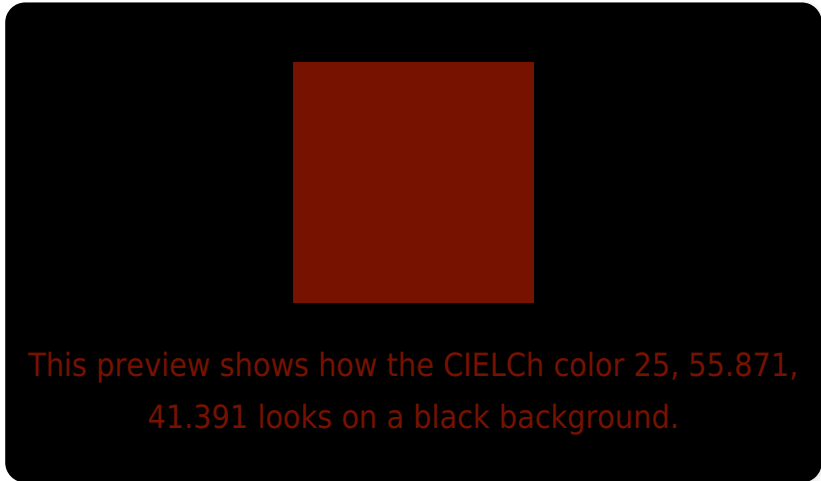
Large Text (above 18pt) WCAG AA ✓ Pass

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, 55.871, 41.391

Background



This preview shows how black text looks on a background with the CIELCh color 25, 55.871, 41.391.



This preview shows how white text looks on a background with the CIELCh color 25, 55.871, 41.391.

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, 55.871, 41.391

Protanopia

26, 28.810, 96.707

Deuteranopia

26, 35.366, 85.865



Tritanopia
25, 52.350, 35.685

Trichromacy



Original Color
25, 55.871, 41.391

Protanomaly
24, 33.825, 61.130

Deuteranomaly
24, 39.428, 60.221

Tritanomaly
25, 53.631, 37.756

Monochromacy



Original Color
25, 55.871, 41.391

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 20.838, 36.776

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 55.871, 41.391 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(120, 18, 0)` looks like.

```
.text, #text, p{  
    color:rgb(120, 18, 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(120, 18, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 18, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 55.871, 41.391 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(120, 18, 0) }
```

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

```
.border{ border-color:rgb(120, 18, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 18, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 18, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 18, 0);  
box-shadow:4px 4px 4px 4px rgb(120, 18, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 55.871, 41.391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 18, 0) }
```

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

```
.background{ background-color: rgb(120, 18,  
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](#).

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