

Converting Colors

CIELCh(25, 46.467, 17.899)

Have a look what the booklet for
CIELCh(25, 46.467, 17.899) contains.

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Color

CIELCh(25, 46.344, 17.942)

Conversions

Conversions Part 1

Format	Color
Hex	770E28
RGB	119, 14, 40
RGB Percent	47%, 5%, 16%
CMY	0.5324, 0.9438, 0.8425
CMYK	0.00, 0.88, 0.66, 0.53
HSL	345°, 79%, 26%
HSV	345°, 88%, 47%
XYZ	8.1867, 4.4155, 2.4435
YIQ	48.3590, 54.2340, 30.3460

Conversions

Conversions Part 2

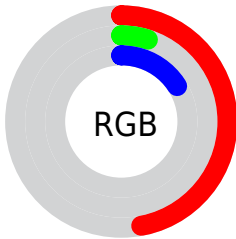
Format	Color
R_{YB}	119, 14, 40
Decimal	7802408
CIE Lab	25.00, 44.09, 14.28
CIE LCh	25, 46.344, 17.942
Yxy	4.4155, 0.5441, 0.2935
Android (android.graphics.Color)	4285992488 (0xFF770E28)
YUV	48.3590, -4.1210, 61.9522
Hunter-Lab	21.0130, 32.7712, 7.8146

Details

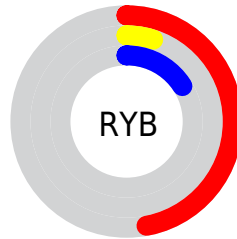
The CIELCh color **25, 46.344, 17.942** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **44, 34.871, 169.346**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **45, 46.577, 17.700**, and **10, 33.482, 27.273** is the 20% darker color. If you saturate the color by 10%, you get **24, 49.874, 22.525**, and if you desaturate by 10%, it is **26, 42.351, 13.859**.

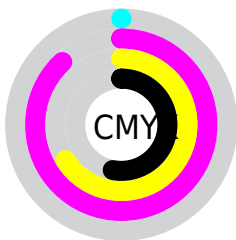
Distribution



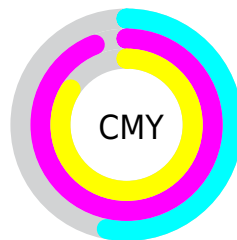
- Red (47%)
- Green (5%)
- Blue (16%)



- Red (47%)
- Yellow (5%)
- Blue (16%)



- Cyan (0%)
- Magenta (88%)
- Yellow (66%)
- Black (53%)



- Cyan (53%)
- Magenta (94%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 25, 46.344, 17.942 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, 46.344, 17.942 by changing the saturation by 10% instead.

 25, 46.344, 17.942

 25, 46.344, 17.942

 100, 46.344,
17.942

 15, 46.344, 17.942

 45, 46.344, 17.942

 5, 46.344, 17.942

 55, 46.344, 17.942

 0, 46.344, 17.942

 65, 46.344, 17.942

 75, 46.344, 17.942

 85, 46.344, 17.942

 95, 46.344, 17.942

 25, 46.344, 17.942

 25, 46.344, 17.942

24, 49.874, 22.525

26, 42.351, 13.859

24, 50.642, 23.382

28, 37.641, 10.559

31, 32.359, 7.926

34, 26.722, 5.816

37, 20.943, 4.102

40, 15.187, 2.684

44, 9.569, 1.484

47, 4.154, 0.422

51, 1.025, 179.953

Harmonies

Complementary

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



25, 46.344, 17.942



44, 34.871, 169.346

Rectangle

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



25, 46.344, 17.942



25, 46.344, 67.942



25, 46.344, 197.942



25, 46.344, 247.942

Sweetspot

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



25, 46.342, 17.944



53, 17.504, 2.515



24, 63.604, 319.657



26, 12.018, 2.875



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, 46.342, 17.944



32, 62.042, 24.954



28, 47.232, 45.453



23, 2.898, 0.531



25, 51.659, 23.555



53, 89.662, 26.940

Inverse Universe

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



25, 46.342, 17.944



32, 62.042, 24.954



36, 24.436, 239.771



23, 2.898, 0.531



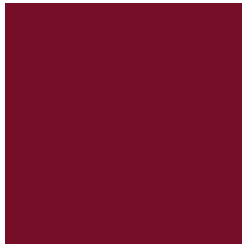
25, 51.659, 23.555



53, 89.662, 26.940

Previews

White Background



This preview shows how the CIELCh color 25, 46.344, 17.942 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, 46.344, 17.942 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, 46.344, 17.942

Background



This preview shows how black text looks on a background with the CIELCh color 25, 46.344, 17.942.



This preview shows how white text looks on a background with the CIELCh color 25, 46.344, 17.942.

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, 46.344, 17.942

Protanopia

26, 2.391, 74.356

Deuteranopia

26, 17.813, 78.999



Tritanopia
25, 49.890, 33.728

Trichromacy



Original Color
25, 46.344, 17.942

Protanomaly
23, 19.710, 8.859

Deuteranomaly
24, 25.522, 33.304

Tritanomaly
25, 48.276, 28.675

Monochromacy



Original Color
25, 46.344, 17.942

Achromatopsia
20, 0.004, 296.813

Achromatomaly
20, 19.793, 5.248

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 46.344, 17.942 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(119, 14, 40)` looks like.

```
.text, #text, p{  
    color:rgb(119, 14, 40)  
}
```

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(119, 14, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 14, 40) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 46.344, 17.942 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(119, 14, 40) }
```

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

```
.border{ border-color:rgb(119, 14, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 14, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 14, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 14, 40);  
box-shadow:4px 4px 4px 4px rgb(119, 14,  
40) }
```

Background

The CSS property to change the background color of an element to CIELCh 25, 46.344, 17.942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 14, 40) }
```

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

```
.background{ background-color: rgb(119, 14,  
40) }
```

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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