

Converting Colors

CIELCh(25, 45.214, 2.474)

Have a look what the booklet for
CIELCh(25, 45.214, 2.474) contains.

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Color

CIELCh(25, 45.175, 2.251)

Conversions

Conversions Part 1

Format	Color
Hex	750E3A
RGB	117, 14, 58
RGB Percent	46%, 5%, 23%
CMY	0.5398, 0.9469, 0.7715
CMYK	0.00, 0.88, 0.50, 0.54
HSL	334°, 79%, 26%
HSV	334°, 88%, 46%
XYZ	8.3041, 4.4155, 4.4547
YIQ	49.8130, 47.2640, 35.5200

Conversions

Conversions Part 2

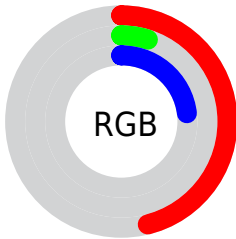
Format	Color
R_{YB}	117, 14, 58
Decimal	7671354
CIE _{Lab}	25.00, 45.14, 1.77
CIE _{LCh}	25, 45.175, 2.251
Yxy	4.4155, 0.4835, 0.2571
Android (android.graphics.Color)	4285861434 (0xFF750E3A)
YUV	49.8130, 4.0362, 58.9230
Hunter-Lab	21.0130, 33.7679, 2.1399

Details

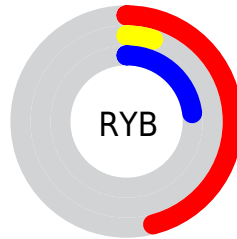
The CIELCh color **25, 45.175, 2.251** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **43, 42.320, 156.155**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **45, 45.055, 2.031**, and **10, 31.485, 16.436** is the 20% darker color. If you saturate the color by 10%, you get **24, 47.237, 5.951**, and if you desaturate by 10%, it is **26, 42.359, 359.065**.

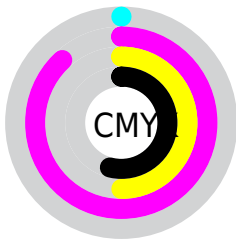
Distribution



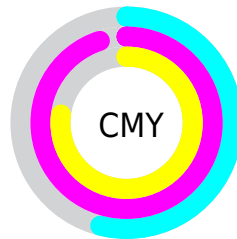
- Red (46%)
- Green (5%)
- Blue (23%)



- Red (46%)
- Yellow (5%)
- Blue (23%)



- Cyan (0%)
- Magenta (88%)
- Yellow (50%)
- Black (54%)



- Cyan (54%)
- Magenta (95%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 45.175, 2.251 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, 45.175, 2.251 by changing the saturation by 10% instead.

 25, 45.175, 2.251  25, 45.175, 2.251

 100, 45.175, 2.251  15, 45.175, 2.251

 45, 45.175, 2.251  5, 45.175, 2.251

 55, 45.175, 2.251  0, 45.175, 2.251

 65, 45.175, 2.251

 75, 45.175, 2.251

 85, 45.175, 2.251

 95, 45.175, 2.251

 25, 45.175, 2.251  25, 45.175, 2.251

 24, 47.237, 5.951  26, 42.359,

■ 24, 47.580, 6.498

359.065

■ 28, 38.457,
356.526

■ 31, 33.667,
354.484

■ 33, 28.258,
352.811

■ 36, 22.489,
351.408

■ 40, 16.568,
350.206

■ 43, 10.645,
349.152

■ 46, 4.819, 348.193

■ 50, 0.851, 167.766

Harmonies

Complementary

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



25, 45.175, 2.251



43, 42.320, 156.155

Rectangle

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



25, 45.175, 2.251



25, 45.175, 52.251



25, 45.175, 182.251



25, 45.175, 232.251

Sweetspot

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



25, 45.173, 2.252



52, 19.513, 350.119



20, 64.297, 314.254



25, 13.095, 350.411



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



25, 45.173, 2.252



32, 57.672, 7.853



25, 51.018, 37.223



23, 3.203, 348.247



25, 49.039, 6.733



53, 83.280, 9.689

Inverse Universe

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



25, 45.173, 2.252



32, 57.672, 7.853



42, 25.335, 206.303



23, 3.203, 348.247



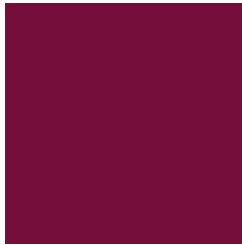
25, 49.039, 6.733



53, 83.280, 9.689

Previews

White Background



This preview shows how the CIE LCh color 25, 45.175, 2.251 looks on a white background.

Color Contrast Check

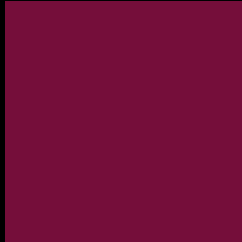
Large Text (above 18pt) WCAG AA ✓ Pass

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, 45.175, 2.251 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, 45.175, 2.251

Background



This preview shows how black text looks on a background with the CIELCh color 25, 45.175, 2.251.



This preview shows how white text looks on a background with the CIELCh color 25, 45.175, 2.251.

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, 44.946, 2.413

Protanopia

26, 14.471, 285.418

Deuteranopia

26, 6.633, 49.536



Tritanopia
25, 45.517, 31.759

Trichromacy



Original Color
25, 44.946, 2.413

Protanomaly
23, 24.188, 330.151

Deuteranomaly
24, 22.955, 1.974

Tritanomaly
25, 43.928, 20.682

Monochromacy



Original Color
25, 44.946, 2.413

Achromatopsia
21, 0.004, 296.813

Achromatomaly
20, 19.946, 352.507

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 45.175, 2.251 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(117, 14, 58)` looks like.

```
.text, #text, p{  
    color:rgb(117, 14, 58)  
}
```

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(117, 14, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 14, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 45.175, 2.251 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(117, 14, 58) }
```

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

```
.border{ border-color:rgb(117, 14, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 14, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 14, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 14, 58);  
box-shadow:4px 4px 4px 4px rgb(117, 14,  
58) }
```

Background

The CSS property to change the background color of an element to CIELCh 25, 45.175, 2.251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 14, 58) }
```

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

```
.background{ background-color: rgb(117, 14,  
58) }
```

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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