

Converting Colors

CIELCh(25, 42.564, 1.402)

Have a look what the booklet for
CIELCh(25, 42.564, 1.402) contains.

CIELCh(25, 42.514, 1.472)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(25, 42.514, 1.472)

Conversions

Conversions Part 1

Format	Color
Hex	72143B
RGB	114, 20, 59
RGB Percent	45%, 8%, 23%
CMY	0.5522, 0.9207, 0.7680
CMYK	0.00, 0.82, 0.48, 0.55
HSL	335°, 70%, 26%
HSV	335°, 82%, 45%
XYZ	8.0111, 4.4155, 4.5883
YIQ	52.5520, 43.5050, 32.0570

Conversions

Conversions Part 2

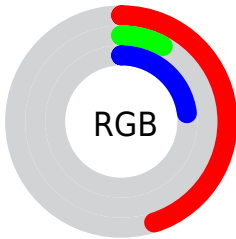
Format	Color
R_{YB}	114, 20, 59
Decimal	7476283
CIE Lab	25.00, 42.50, 1.09
CIE LCh	25, 42.514, 1.472
Yxy	4.4155, 0.4708, 0.2595
Android (android.graphics.Color)	4285666363 (0xFF72143B)
YUV	52.5520, 3.1789, 53.8899
Hunter-Lab	21.0130, 31.2795, 1.7629

Details

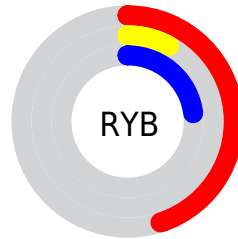
The CIELCh color **25, 42.514, 1.472** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **42, 38.804, 158.396**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **45, 42.684, 1.443**, and **9, 30.635, 14.344** is the 20% darker color. If you saturate the color by 10%, you get **24, 44.953, 5.032**, and if you desaturate by 10%, it is **27, 39.015, 358.631**.

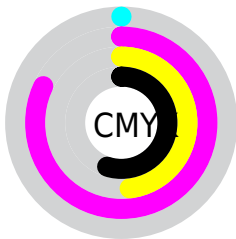
Distribution



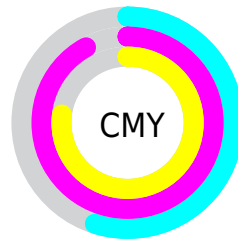
- Red (45%)
- Green (8%)
- Blue (23%)



- Red (45%)
- Yellow (8%)
- Blue (23%)



- Cyan (0%)
- Magenta (82%)
- Yellow (48%)
- Black (55%)




- Cyan (55%)
- Magenta (92%)
- Yellow (77%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 25, 42.514, 1.472 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, 42.514, 1.472 by changing the saturation by 10% instead.

 25, 42.514, 1.472  25, 42.514, 1.472

 100, 42.514, 1.472  15, 42.514, 1.472

 45, 42.514, 1.472  5, 42.514, 1.472

 55, 42.514, 1.472  0, 42.514, 1.472

 65, 42.514, 1.472

 75, 42.514, 1.472

 85, 42.514, 1.472

 95, 42.514, 1.472

 25, 42.514, 1.472  25, 42.514, 1.472

 24, 44.953, 5.032  27, 39.015,

■ 23, 46.676, 7.905

358.631

■ 29, 34.595,
356.358

■ 31, 29.496,
354.513

■ 34, 23.974,
352.984

■ 37, 18.250,
351.688

■ 41, 12.488,
350.565

■ 44, 6.797, 349.566

■ 47, 1.247, 348.502

■ 51, 4.127, 168.018

Harmonies

Complementary

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



25, 42.514, 1.472



42, 38.804, 158.396

Rectangle

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



25, 42.514, 1.472



25, 42.514, 51.472



25, 42.514, 181.472



25, 42.514, 231.472

Sweetspot

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



25, 42.512, 1.473



51, 17.379, 350.926



21, 59.867, 314.813



24, 11.809, 351.225



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



25, 42.512, 1.473



31, 56.088, 8.882



25, 45.973, 36.340



22, 3.053, 349.251



24, 48.325, 8.189



53, 82.823, 11.321

Inverse Universe

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



25, 42.512, 1.473



31, 56.088, 8.882



41, 23.917, 208.416



22, 3.053, 349.251



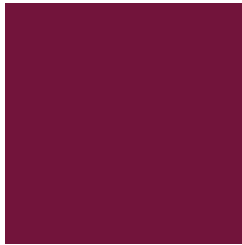
24, 48.325, 8.189



53, 82.823, 11.321

Previews

White Background



This preview shows how the CIE LCh color 25, 42.514, 1.472 looks on a white background.

Color Contrast Check

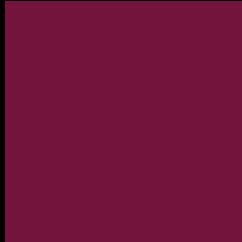
Large Text (above 18pt) WCAG AA ✓ Pass

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, 42.514, 1.472 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

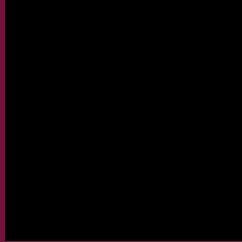
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 42.514, 1.472

Background



This preview shows how black text looks on a background with the CIELCh color 25, 42.514, 1.472.



This preview shows how white text looks on a background with the CIELCh color 25, 42.514, 1.472.

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, 42.514, 1.472

Protanopia

26, 13.875, 283.344

Deuteranopia

26, 5.861, 46.515



Tritanopia
25, 42.302, 29.873

Trichromacy



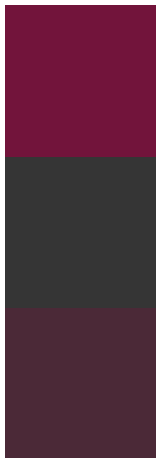
Original Color
25, 42.514, 1.472

Protanomaly
24, 22.489, 329.283

Deuteranomaly
24, 20.461, 1.993

Tritanomaly
25, 40.845, 19.213

Monochromacy



Original Color
25, 42.514, 1.472

Achromatopsia
22, 0.004, 296.813

Achromatomaly
21, 18.139, 353.231

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 42.514, 1.472 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(114, 20, 59)` looks like.

```
.text, #text, p{  
    color:rgb(114, 20, 59)  
}
```

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(114, 20, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 20, 59) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 42.514, 1.472 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(114, 20, 59) }
```

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

```
.border{ border-color:rgb(114, 20, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 20, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 20, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 20, 59);  
box-shadow:4px 4px 4px 4px rgb(114, 20,  
59) }
```

Background

The CSS property to change the background color of an element to CIELCh 25, 42.514, 1.472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 20, 59) }
```

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

```
.background{ background-color: rgb(114, 20,  
59) }
```

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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