

Converting Colors

CIELCh(25, 42.765, 18.216)

Have a look what the booklet for
CIELCh(25, 42.765, 18.216) contains.

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Color

CIELCh(25, 42.801, 18.232)

Conversions

Conversions Part 1

Format	Color
Hex	731629
RGB	115, 22, 41
RGB Percent	45%, 9%, 16%
CMY	0.5478, 0.9123, 0.8383
CMYK	0.00, 0.81, 0.64, 0.55
HSL	348°, 68%, 27%
HSV	348°, 81%, 45%
XYZ	7.8103, 4.4155, 2.5604
YIQ	51.9730, 49.3290, 25.6250

Conversions

Conversions Part 2

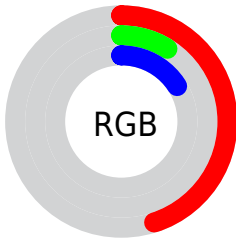
Format	Color
R_{YB}	115, 22, 41
Decimal	7542313
CIE _{Lab}	25.00, 40.65, 13.39
CIE _{LCh}	25, 42.801, 18.232
Yxy	4.4155, 0.5282, 0.2986
Android (android.graphics.Color)	4285732393 (0xFF731629)
YUV	51.9730, -5.4097, 55.2747
Hunter-Lab	21.0130, 29.5732, 7.4848

Details

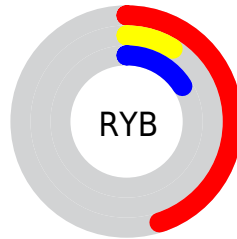
The CIELCh color **25, 42.801, 18.232** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **43, 30.971, 174.397**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **45, 42.877, 18.146**, and **9, 32.104, 26.054** is the 20% darker color. If you saturate the color by 10%, you get **24, 46.872, 22.552**, and if you desaturate by 10%, it is **27, 38.101, 14.683**.

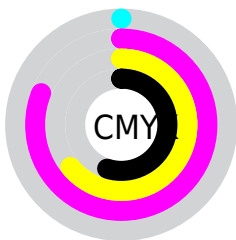
Distribution



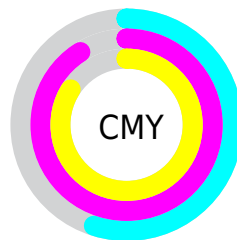
- Red (45%)
- Green (9%)
- Blue (16%)



- Red (45%)
- Yellow (9%)
- Blue (16%)



- Cyan (0%)
- Magenta (81%)
- Yellow (64%)
- Black (55%)



- Cyan (55%)
- Magenta (91%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 25, 42.801, 18.232 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, 42.801, 18.232 by changing the saturation by 10% instead.

■ 25, 42.801, 18.232

■ 25, 42.801, 18.232

■ 100, 42.801,
18.232

■ 15, 42.801, 18.232

■ 45, 42.801, 18.232

■ 5, 42.801, 18.232

■ 55, 42.801, 18.232

■ 0, 42.801, 18.232

■ 65, 42.801, 18.232

■ 75, 42.801, 18.232

■ 85, 42.801, 18.232

■ 95, 42.801, 18.232

■ 25, 42.801, 18.232

■ 25, 42.801, 18.232

24, 46.872, 22.552

27, 38.101, 14.683

23, 50.571, 26.661

29, 32.888, 11.834

32, 27.351, 9.558

35, 21.688, 7.726

38, 16.061, 6.228

41, 10.583, 4.978

45, 5.319, 3.900

48, 0.303, 1.941

52, 4.460, 182.361

Harmonies

Complementary

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



25, 42.801, 18.232



43, 30.971, 174.397

Rectangle

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



25, 42.801, 18.232



25, 42.801, 68.232



25, 42.801, 198.232



25, 42.801, 248.232

Sweetspot

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



25, 42.799, 18.234



52, 15.460, 5.454



25, 58.819, 320.832



25, 10.770, 5.814



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, 42.799, 18.234



31, 60.673, 26.860



29, 40.900, 47.520



23, 2.849, 3.739



24, 52.931, 27.053



52, 92.232, 30.325

Inverse Universe

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



25, 42.799, 18.234



31, 60.673, 26.860



35, 23.325, 243.077



23, 2.849, 3.739



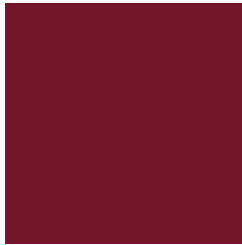
24, 52.931, 27.053



52, 92.232, 30.325

Previews

White Background



This preview shows how the CIELCh color 25, 42.801, 18.232 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, 42.801, 18.232 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, 42.801, 18.232

Background



This preview shows how black text looks on a background with the CIELCh color 25, 42.801, 18.232.



This preview shows how white text looks on a background with the CIELCh color 25, 42.801, 18.232.

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, 42.801, 18.232

Protanopia

26, 2.765, 90.060

Deuteranopia

26, 16.155, 76.428



Tritanopia
25, 45.074, 31.671

Trichromacy



Original Color
25, 42.801, 18.232

Protanomaly
24, 17.127, 14.525

Deuteranomaly
24, 23.321, 33.546

Tritanomaly
25, 43.732, 26.788

Monochromacy



Original Color
25, 42.801, 18.232

Achromatopsia
22, 0.004, 296.813

Achromatomaly
21, 17.026, 7.893

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 42.801, 18.232 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(115, 22, 41)` looks like.

```
.text, #text, p{  
    color:rgb(115, 22, 41)  
}
```

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(115, 22, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 22, 41) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 42.801, 18.232 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(115, 22, 41) }
```

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

```
.border{ border-color:rgb(115, 22, 41) }
```

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

Here you see how a box with a 4 pixel rgb(115, 22, 41) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 22, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 22, 41);  
box-shadow:4px 4px 4px 4px rgb(115, 22,  
41) }
```

Background

The CSS property to change the background color of an element to CIELCh 25, 42.801, 18.232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 22, 41) }
```

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

```
.background{ background-color: rgb(115, 22,  
41) }
```

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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