

Converting Colors

CIELCh(29, 25.815, 16.985)

Have a look what the booklet for
CIELCh(29, 25.815, 16.985) contains.

CIELCh(29, 25.768, 16.522)	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(29, 25.768, 16.522)

Conversions

Conversions Part 1

Format	Color
Hex	6A343A
RGB	106, 52, 58
RGB Percent	42%, 20%, 23%
CMY	0.5840, 0.7958, 0.7723
CMYK	0.00, 0.51, 0.45, 0.58
HSL	353°, 34%, 31%
HSV	353°, 51%, 42%
XYZ	7.9505, 5.8380, 4.7202
YIQ	68.8300, 30.2580, 13.3140

Conversions

Conversions Part 2

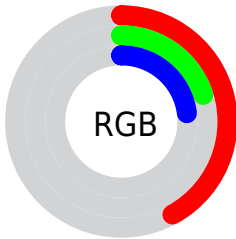
Format	Color
R_{YB}	106, 52, 58
Decimal	6960186
CIE _{Lab}	29.00, 24.70, 7.33
CIE _{LCh}	29, 25.768, 16.522
Yxy	5.8380, 0.4296, 0.3154
Android (android.graphics.Color)	4285150266 (0xFF6A343A)
YUV	68.8300, -5.3392, 32.5981
Hunter-Lab	24.1619, 16.4520, 5.3306

Details

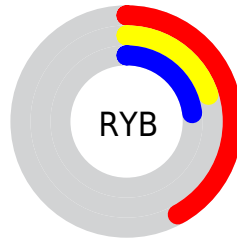
The CIELCh color **29, 25.768, 16.522** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **41, 19.657, 186.334**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **49, 25.971, 16.533**, and **9, 26.074, 17.141** is the 20% darker color. If you saturate the color by 10%, you get **26, 31.250, 18.792**, and if you desaturate by 10%, it is **32, 20.292, 14.718**.

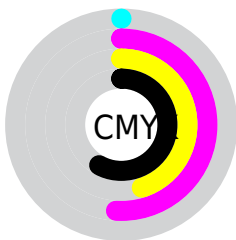
Distribution



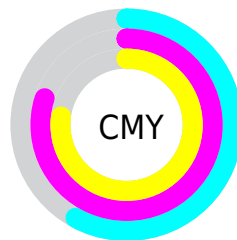
- Red (42%)
- Green (20%)
- Blue (23%)



- Red (42%)
- Yellow (20%)
- Blue (23%)



- Cyan (0%)
- Magenta (51%)
- Yellow (45%)
- Black (58%)



- Cyan (58%)
- Magenta (80%)
- Yellow (77%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 29, 25.768, 16.522 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 29, 25.768, 16.522 by changing the saturation by 10% instead.

 29, 25.768, 16.522

 29, 25.768, 16.522

 100, 25.768,
16.522

 19, 25.768, 16.522

 49, 25.768, 16.522

 9, 25.768, 16.522

 59, 25.768, 16.522

 0, 25.768, 16.522

 69, 25.768, 16.522

 79, 25.768, 16.522

 89, 25.768, 16.522

 99, 25.768, 16.522

 29, 25.768, 16.522

 29, 25.768, 16.522

26, 31.250, 18.792

32, 20.292, 14.718

24, 36.582, 21.631

35, 14.955, 13.264

23, 41.596, 25.124

38, 9.837, 12.076

21, 46.151, 29.229

41, 4.981, 11.073

20, 49.828, 31.897

45, 0.404, 9.498

48, 3.899, 189.726

51, 7.943, 189.088

55, 11.749,
188.558

58, 15.338,
188.096

Harmonies

Complementary

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



29, 25.768, 16.522



41, 19.657, 186.334

Rectangle

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



29, 25.768, 16.522



29, 25.768, 66.522



29, 25.768, 196.522



29, 25.768, 246.522

Sweetspot

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



29, 25.766, 16.525



51, 8.601, 11.508



30, 38.054, 323.421



25, 5.850, 11.660



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



29, 25.766, 16.525



35, 38.832, 19.250



34, 21.394, 57.514



21, 2.571, 10.890



23, 54.106, 32.941



51, 96.415, 36.080

Inverse Universe

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



29, 25.766, 16.525



35, 38.832, 19.250



35, 16.708, 249.687



21, 2.571, 10.890



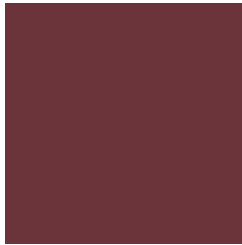
23, 54.106, 32.941



51, 96.415, 36.080

Previews

White Background



This preview shows how the CIELCh color 29, 25.768, 16.522 looks on a white background.

Color Contrast Check

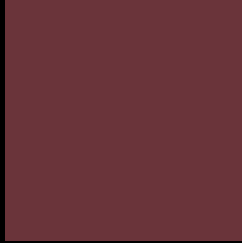
Large Text (above 18pt) WCAG AA ✓ Pass

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 29, 25.768, 16.522 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

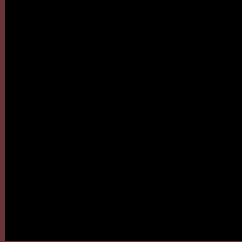
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 25.768, 16.522

Background



This preview shows how black text looks on a background with the CIELCh color 29, 25.768, 16.522.



This preview shows how white text looks on a background with the CIELCh color 29, 25.768, 16.522.

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

29, 25.768, 16.522

Protanopia

29, 1.554, 74.701

Deuteranopia

29, 9.354, 63.007



Tritanopia
29, 25.924, 19.305

Trichromacy



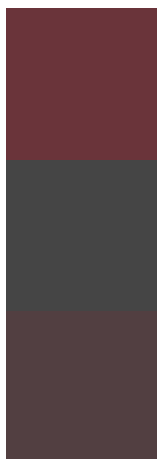
Original Color
29, 25.768, 16.522

Protanomaly
29, 9.773, 17.399

Deuteranomaly
29, 13.824, 32.249

Tritanomaly
29, 25.838, 17.918

Monochromacy



Original Color
29, 25.768, 16.522

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 8.845, 12.687

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 25.768, 16.522 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(106, 52, 58)` looks like.

```
.text, #text, p{  
    color:rgb(106, 52, 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(106, 52, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 52, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 25.768, 16.522 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(106, 52, 58) }
```

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

```
.border{ border-color:rgb(106, 52, 58) }
```

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

Here you see how a box with a 4 pixel rgb(106, 52, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 52, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 52, 58);  
box-shadow:4px 4px 4px 4px rgb(106, 52,  
58) }
```

Background

The CSS property to change the background color of an element to CIELCh 29, 25.768, 16.522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 52, 58) }
```

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

```
.background{ background-color: rgb(106, 52,  
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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor