

Converting Colors

CIELCh(24, 38.759, 29.598)

Have a look what the booklet for
CIELCh(24, 38.759, 29.598) contains.

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Color

CIELCh(24, 38.827, 29.683)

Conversions

Conversions Part 1

Format	Color
Hex	6A1E1E
RGB	106, 30, 30
RGB Percent	42%, 12%, 12%
CMY	0.5838, 0.8819, 0.8820
CMYK	0.00, 0.72, 0.72, 0.58
HSL	0°, 56%, 27%
HSV	0°, 72%, 42%
XYZ	6.6612, 4.1002, 1.6747
YIQ	52.7240, 45.2960, 16.1120

Conversions

Conversions Part 2

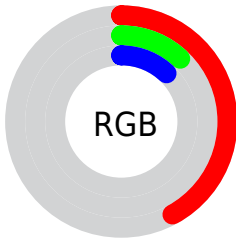
Format	Color
RYB	106, 30, 30
Decimal	6954526
CIELab	24.00, 33.73, 19.23
CIELCh	24, 38.827, 29.683
Yxy	4.1002, 0.5356, 0.3297
Android (android.graphics.Color)	4285144606 (0xFF6A1E1E)
YUV	52.7240, -11.2029, 46.7231
Hunter-Lab	20.2490, 23.2845, 9.2706

Details

The CIELCh color **24, 38.827, 29.683** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **41, 23.261, 196.759**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **44, 38.809, 29.357**, and **7, 28.238, 22.497** is the 20% darker color. If you saturate the color by 10%, you get **22, 44.560, 32.856**, and if you desaturate by 10%, it is **26, 32.857, 27.016**.

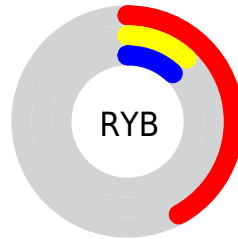
Distribution



Red (42%)

Green (12%)

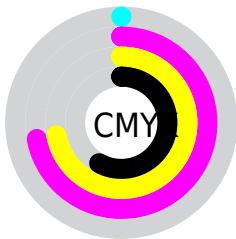
Blue (12%)



Red (42%)

Yellow (12%)

Blue (12%)

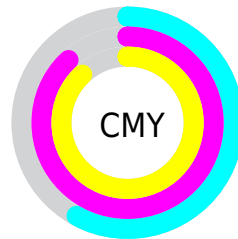


Cyan (0%)

Magenta (72%)

Yellow (72%)

Black (58%)



Cyan (58%)

Magenta (88%)

Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 24, 38.827, 29.683 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 24, 38.827, 29.683 by changing the saturation by 10% instead.

 24, 38.827, 29.683

 24, 38.827, 29.683

 100, 38.827,
29.683

 14, 38.827, 29.683

 44, 38.827, 29.683

 4, 38.827, 29.683

 54, 38.827, 29.683

 0, 38.827, 29.683

 64, 38.827, 29.683

 74, 38.827, 29.683

 84, 38.827, 29.683

 94, 38.827, 29.683

 24, 38.827, 29.683

 24, 38.827, 29.683

22, 44.560, 32.856

26, 32.857, 27.016

21, 49.115, 35.262

29, 26.874, 24.880

20, 52.262, 36.470

31, 21.038, 23.209

35, 15.459, 21.910

38, 10.200, 20.894

41, 5.288, 20.079

44, 0.720, 19.046

48, 3.522, 199.138

51, 7.465, 198.693

Harmonies

Complementary

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



24, 38.827, 29.683



41, 23.261, 196.759

Rectangle

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



24, 38.827, 29.683



24, 38.827, 79.683



24, 38.827, 209.683



24, 38.827, 259.683

Sweetspot

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



24, 38.825, 29.686



49, 12.253, 20.888



27, 51.329, 327.697



23, 8.289, 21.066



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



24, 38.825, 29.686



29, 57.991, 35.133



33, 31.631, 66.827



21, 2.546, 19.879



23, 56.947, 37.585



51, 101.387, 40.003

Inverse Universe

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



41, 23.261, 196.759



52, 30.597, 196.531



28, 26.106, 270.604



22, 2.414, 199.064



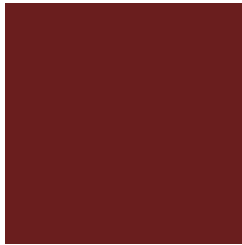
44, 28.223, 196.437



88, 48.565, 196.440

Previews

White Background



This preview shows how the CIELCh color 24, 38.827, 29.683 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 24, 38.827, 29.683 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

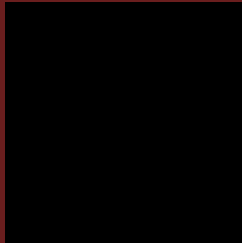
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 38.827, 29.683

Background



This preview shows how black text looks on a background with the CIELCh color 24, 38.827, 29.683.

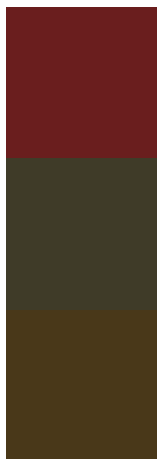


This preview shows how white text looks on a background with the CIELCh color 24, 38.827, 29.683.

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

24, 38.827, 29.683

Protanopia

25, 12.561, 98.288

Deuteranopia

25, 22.197, 81.446



Tritanopia
24, 38.567, 28.811

Trichromacy



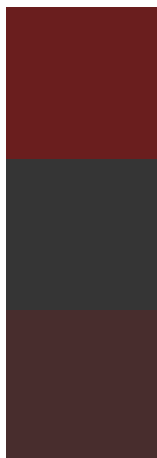
Original Color
24, 38.827, 29.683

Protanomaly
23, 18.491, 47.057

Deuteranomaly
24, 25.234, 52.848

Tritanomaly
24, 38.567, 28.811

Monochromacy



Original Color
24, 38.827, 29.683

Achromatopsia
22, 0.004, 296.813

Achromatomaly
22, 13.471, 22.352

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 38.827, 29.683 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, 30, 30)` looks like.

```
.text, #text, p{  
    color:rgb(106, 30, 30)  
}
```

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, 30, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 30, 30) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 38.827, 29.683 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, 30, 30) }
```

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

```
.border{ border-color:rgb(106, 30, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 30, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 30, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 30, 30);  
box-shadow:4px 4px 4px 4px rgb(106, 30,  
30) }
```

Background

The CSS property to change the background color of an element to CIELCh 24, 38.827, 29.683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 30, 30) }
```

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

```
.background{ background-color: rgb(106, 30,  
30) }
```

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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