

Converting Colors

CIELCh(30, 30.329, 40.204)

Have a look what the booklet for
CIELCh(30, 30.329, 40.204) contains.

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Color

CIELCh(30, 30.238, 40.680)

Conversions

Conversions Part 1

Format	Color
Hex	6E3729
RGB	110, 55, 41
RGB Percent	43%, 22%, 16%
CMY	0.5679, 0.7837, 0.8386
CMYK	0.00, 0.50, 0.63, 0.57
HSL	12°, 46%, 30%
HSV	12°, 63%, 43%
XYZ	8.2305, 6.2359, 2.8815
YIQ	69.8490, 37.2740, 7.3060

Conversions

Conversions Part 2

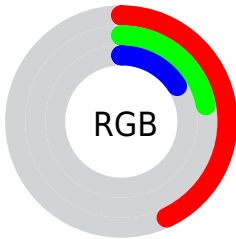
Format	Color
R _Y B	110, 59, 41
Decimal	7223081
CIE Lab	30.00, 22.93, 19.71
CIE LCh	30, 30.238, 40.680
Yxy	6.2359, 0.4744, 0.3595
Android (android.graphics.Color)	4285413161 (0xFF6E3729)
YUV	69.8490, -14.2226, 35.2124
Hunter-Lab	24.9718, 15.1315, 10.6389

Details

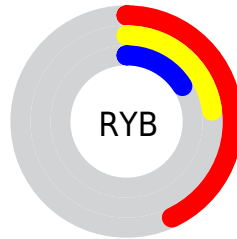
The CIELCh color **30, 30.238, 40.680** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **38, 19.007, 224.810**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **50, 30.472, 41.071**, and **10, 28.090, 34.207** is the 20% darker color. If you saturate the color by 10%, you get **28, 36.198, 41.463**, and if you desaturate by 10%, it is **32, 24.512, 40.104**.

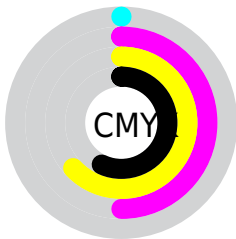
Distribution



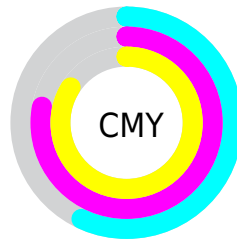
- Red (43%)
- Green (22%)
- Blue (16%)



- Red (43%)
- Yellow (23%)
- Blue (16%)



- Cyan (0%)
- Magenta (50%)
- Yellow (63%)
- Black (57%)



- Cyan (57%)
- Magenta (78%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 30, 30.238, 40.680 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 30, 30.238, 40.680 by changing the saturation by 10% instead.

■ 30, 30.238, 40.680

■ 30, 30.238, 40.680

■ 100, 30.238,
40.680

■ 20, 30.238, 40.680

■ 50, 30.238, 40.680

■ 10, 30.238, 40.680

■ 60, 30.238, 40.680

■ 0, 30.238, 40.680

■ 70, 30.238, 40.680

■ 80, 30.238, 40.680

■ 90, 30.238, 40.680

■ 30, 30.238, 40.680

■ 30, 30.238, 40.680

■ 28, 36.198, 41.463

■ 32, 24.512, 40.104

26, 42.204, 42.364

35, 19.111, 39.728

24, 47.547, 42.759

37, 14.067, 39.532

23, 50.848, 42.885

40, 9.381, 39.480

43, 5.039, 39.528

46, 1.016, 39.425

49, 2.716, 220.141

51, 6.187, 220.362

54, 9.426, 220.673

Harmonies

Complementary

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



30, 30.238, 40.680



38, 19.007, 224.810

Rectangle

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



30, 30.238, 40.680



30, 30.238, 90.680



30, 30.238, 220.680



30, 30.238, 270.680

Sweetspot

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



30, 30.237, 40.684



53, 9.612, 39.487



29, 41.864, 334.550



26, 6.626, 39.481



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



30, 30.237, 40.684



36, 46.769, 41.848



39, 30.710, 85.874



22, 2.241, 39.552



26, 54.778, 43.301



54, 97.431, 43.158

Inverse Universe

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



38, 19.007, 224.810



47, 25.758, 227.671



27, 31.662, 285.201



23, 2.127, 220.178



37, 25.087, 234.588



74, 43.088, 237.021

Previews

White Background



This preview shows how the CIELCh color 30, 30.238, 40.680 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 30, 30.238, 40.680 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

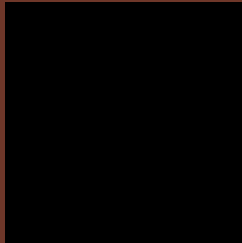
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 30.238, 40.680

Background



This preview shows how black text looks on a background with the CIELCh color 30, 30.238, 40.680.

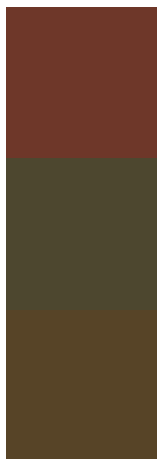


This preview shows how white text looks on a background with the CIELCh color 30, 30.238, 40.680.

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

30, 30.238, 40.680

Protanopia

30, 15.461, 96.273

Deuteranopia

30, 20.954, 78.981



Tritanopia
30, 27.738, 20.006

Trichromacy



Original Color
30, 30.238, 40.680

Protanomaly
30, 17.905, 65.095

Deuteranomaly
30, 22.584, 60.529

Tritanomaly
30, 28.289, 28.528

Monochromacy



Original Color
30, 30.238, 40.680

Achromatopsia
30, 0.005, 296.813

Achromatomaly
30, 10.076, 39.188

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 30.238, 40.680 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(110, 55, 41)` looks like.

```
.text, #text, p{  
    color:rgb(110, 55, 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(110, 55, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 55, 41) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 30.238, 40.680 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(110, 55, 41) }
```

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

```
.border{ border-color:rgb(110, 55, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 55, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 55, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 55, 41);  
box-shadow:4px 4px 4px 4px rgb(110, 55,  
41) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 30.238, 40.680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 55, 41) }
```

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

```
.background{ background-color: rgb(110, 55,  
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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