

Converting Colors

CIELCh(30, 35.162, 50.588)

Have a look what the booklet for
CIELCh(30, 35.162, 50.588) contains.

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Color

CIELCh(30, 35.172, 50.178)

Conversions

Conversions Part 1

Format	Color
Hex	6F371D
RGB	111, 55, 29
RGB Percent	44%, 22%, 11%
CMY	0.5638, 0.7835, 0.8855
CMYK	0.00, 0.50, 0.74, 0.56
HSL	19°, 58%, 28%
HSV	19°, 74%, 44%
XYZ	8.1851, 6.2359, 1.9467
YIQ	68.7800, 41.7220, 3.7860

Conversions

Conversions Part 2

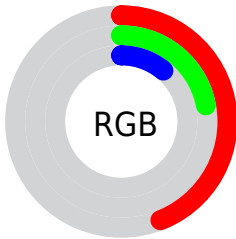
Format	Color
R_{YB}	111, 67, 29
Decimal	7288605
CIE Lab	30.00, 22.52, 27.01
CIE LCh	30, 35.172, 50.178
Yxy	6.2359, 0.5001, 0.3810
Android (android.graphics.Color)	4285478685 (0xFF6F371D)
YUV	68.7800, -19.6115, 37.0269
Hunter-Lab	24.9718, 14.8073, 12.8583

Details

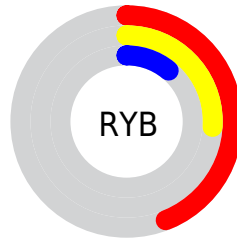
The CIELCh color **30, 35.172, 50.178** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **34, 22.036, 246.334**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **50, 35.304, 50.069**, and **10, 27.552, 34.060** is the 20% darker color. If you saturate the color by 10%, you get **28, 40.840, 49.911**, and if you desaturate by 10%, it is **32, 29.506, 50.407**.

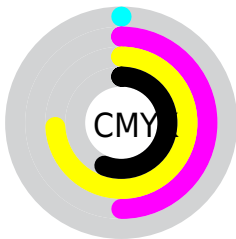
Distribution



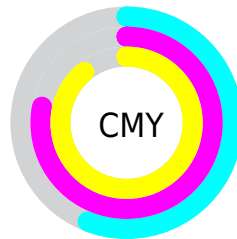
- Red (44%)
- Green (22%)
- Blue (11%)



- Red (44%)
- Yellow (26%)
- Blue (11%)



- Cyan (0%)
- Magenta (50%)
- Yellow (74%)
- Black (56%)



- Cyan (56%)
- Magenta (78%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 30, 35.172, 50.178 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, 35.172, 50.178 by changing the saturation by 10% instead.

■ 30, 35.172, 50.178

■ 30, 35.172, 50.178

■ 100, 35.172,
50.178

■ 20, 35.172, 50.178

■ 50, 35.172, 50.178

■ 10, 35.172, 50.178

■ 60, 35.172, 50.178

■ 0, 35.172, 50.178

■ 70, 35.172, 50.178

■ 80, 35.172, 50.178

■ 90, 35.172, 50.178

■ 30, 35.172, 50.178

■ 30, 35.172, 50.178

■ 28, 40.840, 49.911

■ 32, 29.506, 50.407

27, 45.994, 49.262

34, 24.051, 50.694

26, 48.911, 48.851

36, 18.892, 51.074

39, 14.057, 51.545

41, 9.543, 52.093

44, 5.335, 52.689

46, 1.408, 53.190

49, 2.266, 234.266

51, 5.713, 234.901

Harmonies

Complementary

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



30, 35.172, 50.178



34, 22.036, 246.334

Rectangle

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



30, 35.172, 50.178



30, 35.172, 100.178



30, 35.172, 230.178



30, 35.172, 280.178

Sweetspot

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



30, 35.171, 50.181



54, 10.957, 52.161



27, 44.009, 341.196



27, 7.473, 52.044



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



30, 35.171, 50.181



36, 54.460, 49.524



41, 38.743, 93.106



22, 2.159, 52.969



28, 52.197, 48.988



57, 92.160, 47.653

Inverse Universe

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



34, 22.036, 246.334



41, 30.580, 253.126



21, 44.879, 294.889



22, 2.068, 234.470



33, 28.262, 257.120



66, 49.703, 260.257

Previews

White Background



This preview shows how the CIELCh color 30, 35.172, 50.178 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, 35.172, 50.178 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

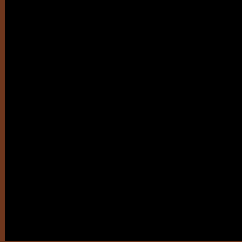
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 35.172, 50.178

Background



This preview shows how black text looks on a background with the CIELCh color 30, 35.172, 50.178.



This preview shows how white text looks on a background with the CIELCh color 30, 35.172, 50.178.

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, 35.172, 50.178

Protanopia

30, 23.379, 95.691

Deuteranopia

30, 28.436, 82.245



Tritanopia
30, 29.210, 20.644

Trichromacy



Original Color
30, 35.172, 50.178

Protanomaly
30, 25.297, 73.501

Deuteranomaly
30, 29.617, 68.202

Tritanomaly
30, 30.287, 33.097

Monochromacy



Original Color
30, 35.172, 50.178

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 11.398, 50.830

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 35.172, 50.178 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(111, 55, 29)` looks like.

```
.text, #text, p{  
    color:rgb(111, 55, 29)  
}
```

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(111, 55, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 55, 29) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 35.172, 50.178 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(111, 55, 29) }
```

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

```
.border{ border-color:rgb(111, 55, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 55, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 55, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 55, 29);  
box-shadow:4px 4px 4px 4px rgb(111, 55,  
29) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 35.172, 50.178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 55, 29) }
```

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

```
.background{ background-color: rgb(111, 55,  
29) }
```

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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