

Converting Colors

CIELCh(30, 32.963, 48.842)

Have a look what the booklet for
CIELCh(30, 32.963, 48.842) contains.

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Color

CIELCh(30, 32.956, 48.711)

Conversions

Conversions Part 1

Format	Color
Hex	6E3821
RGB	110, 56, 33
RGB Percent	43%, 22%, 13%
CMY	0.5691, 0.7808, 0.8709
CMYK	0.00, 0.49, 0.70, 0.57
HSL	18°, 54%, 28%
HSV	18°, 70%, 43%
XYZ	8.0989, 6.2359, 2.2090
YIQ	69.5240, 39.5670, 4.2950

Conversions

Conversions Part 2

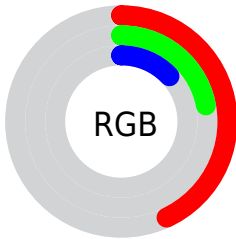
Format	Color
R _Y B	110, 66, 33
Decimal	7223329
CIE Lab	30.00, 21.75, 24.76
CIE LCh	30, 32.956, 48.711
Yxy	6.2359, 0.4895, 0.3769
Android (android.graphics.Color)	4285413409 (0xFF6E3821)
YUV	69.5240, -18.0063, 35.4975
Hunter-Lab	24.9718, 14.1910, 12.2355

Details

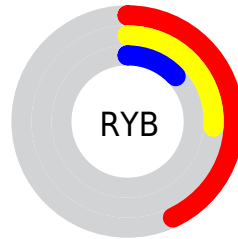
The CIELCh color **30, 32.956, 48.711** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **34, 20.797, 242.143**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **50, 32.889, 48.909**, and **10, 27.303, 35.032** is the 20% darker color. If you saturate the color by 10%, you get **28, 38.672, 48.647**, and if you desaturate by 10%, it is **32, 27.349, 48.811**.

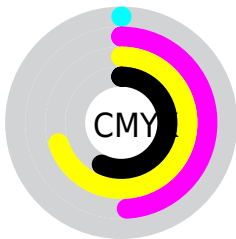
Distribution



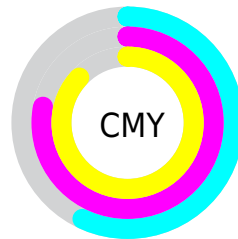
- Red (43%)
- Green (22%)
- Blue (13%)



- Red (43%)
- Yellow (26%)
- Blue (13%)



- Cyan (0%)
- Magenta (49%)
- Yellow (70%)
- Black (57%)



- Cyan (57%)
- Magenta (78%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 30, 32.956, 48.711 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, 32.956, 48.711 by changing the saturation by 10% instead.

■ 30, 32.956, 48.711

■ 30, 32.956, 48.711

■ 100, 32.956,
48.711

■ 20, 32.956, 48.711

■ 50, 32.956, 48.711

■ 10, 32.956, 48.711

■ 60, 32.956, 48.711

■ 0, 32.956, 48.711

■ 70, 32.956, 48.711

■ 80, 32.956, 48.711

■ 90, 32.956, 48.711

■ 30, 32.956, 48.711

■ 30, 32.956, 48.711

■ 28, 38.672, 48.647

■ 32, 27.349, 48.811

■ 26, 44.141, 48.385

■ 34, 22.001, 49.004

■ 25, 48.766, 47.719

■ 37, 16.970, 49.307

■ 39, 12.270, 49.709

■ 41, 7.892, 50.189

■ 44, 3.816, 50.706

■ 46, 0.017, 31.677

■ 49, 3.536, 232.137

■ 51, 6.867, 232.756

Harmonies

Complementary

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



30, 32.956, 48.711



34, 20.797, 242.143

Rectangle

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



30, 32.956, 48.711



30, 32.956, 98.711



30, 32.956, 228.711



30, 32.956, 278.711

Sweetspot

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



30, 32.955, 48.714



53, 10.304, 50.113



27, 43.002, 339.019



26, 6.977, 50.013



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, 32.955, 48.714



36, 50.879, 48.545



40, 35.908, 91.218



22, 2.164, 50.757



27, 52.627, 47.932



57, 93.078, 46.772

Inverse Universe

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



34, 20.797, 242.143



42, 28.567, 247.720



23, 40.108, 292.184



22, 2.068, 232.129



33, 27.497, 253.796



67, 48.171, 256.892

Previews

White Background



This preview shows how the CIE LCh color 30, 32.956, 48.711 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 CIELCh color 30, 32.956, 48.711 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, 32.956, 48.711

Background



This preview shows how black text looks on a background with the CIELCh color 30, 32.956, 48.711.



This preview shows how white text looks on a background with the CIELCh color 30, 32.956, 48.711.

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, 32.956, 48.711

Protanopia

30, 21.063, 95.132

Deuteranopia

30, 26.357, 80.954



Tritanopia
30, 27.738, 20.006

Trichromacy



Original Color
30, 32.956, 48.711

Protanomaly
30, 23.038, 73.808

Deuteranomaly
30, 27.733, 67.394

Tritanomaly
30, 28.970, 32.024

Monochromacy



Original Color
30, 32.956, 48.711

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 11.033, 48.196

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 32.956, 48.711 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, 56, 33)` looks like.

```
.text, #text, p{  
    color:rgb(110, 56, 33)  
}
```

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, 56, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 56, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 32.956, 48.711 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, 56, 33) }
```

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

```
.border{ border-color:rgb(110, 56, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 56, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 56, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 56, 33);  
box-shadow:4px 4px 4px 4px rgb(110, 56,  
33) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 32.956, 48.711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 56, 33) }
```

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

```
.background{ background-color: rgb(110, 56,  
33) }
```

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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