

Converting Colors

CIELCh(30, 18.011, 83.956)

Have a look what the booklet for
CIELCh(30, 18.011, 83.956) contains.

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Color

CIELCh(30, 18.011, 83.956)

Conversions

Conversions Part 1

Format	Color
Hex	53452B
RGB	83, 69, 43
RGB Percent	33%, 27%, 17%
CMY	0.6753, 0.7301, 0.8321
CMYK	0.00, 0.17, 0.48, 0.68
HSL	39°, 32%, 25%
HSV	39°, 48%, 32%
XYZ	6.0987, 6.2359, 3.1504
YIQ	70.2220, 16.6900, -5.1180

Conversions

Conversions Part 2

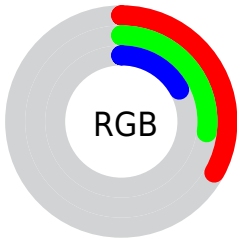
Format	Color
RYB	65, 83, 43
Decimal	5457195
CIELab	30.00, 1.90, 17.91
CIELCh	30, 18.011, 83.956
Yxy	6.2359, 0.3938, 0.4027
Android (android.graphics.Color)	4283647275 (0xFF53452B)
YUV	70.2220, -13.4204, 11.2063
Hunter-Lab	24.9718, -0.1064, 10.0004

Details

The CIELCh color **30, 18.011, 83.956** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **24, 17.717, 277.514**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **50, 18.023, 83.158**, and **10, 15.479, 80.635** is the 20% darker color. If you saturate the color by 10%, you get **29, 21.866, 82.655**, and if you desaturate by 10%, it is **31, 14.162, 85.228**.

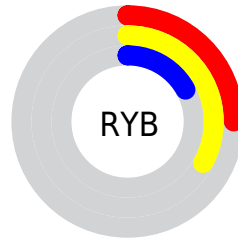
Distribution



Red (33%)

Green (27%)

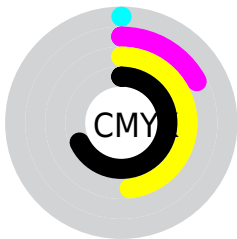
Blue (17%)



Red (25%)

Yellow (33%)

Blue (17%)

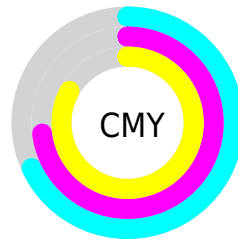


Cyan (0%)

Magenta (17%)

Yellow (48%)

Black (68%)



Cyan (68%)

Magenta (73%)

Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 30, 18.011, 83.956 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, 18.011, 83.956 by changing the saturation by 10% instead.

■ 30, 18.011, 83.956

■ 30, 18.011, 83.956

■ 100, 18.011,
83.956

■ 20, 18.011, 83.956

■ 50, 18.011, 83.956

■ 10, 18.011, 83.956

■ 60, 18.011, 83.956

■ 0, 18.011, 83.956

■ 70, 18.011, 83.956

■ 80, 18.011, 83.956

■ 90, 18.011, 83.956

■ 30, 18.011, 83.956

■ 30, 18.011, 83.956

■ 29, 21.866, 82.655

■ 31, 14.162, 85.228

■ 28, 25.650, 81.296

■ 32, 10.361, 86.461

■ 27, 29.226, 79.849

■ 33, 6.627, 87.657

■ 26, 32.368, 78.245

■ 34, 2.968, 88.800

■ 25, 35.186, 76.667

■ 35, 0.614, 270.194

■ 25, 35.670, 76.421

■ 37, 4.121, 271.098

■ 38, 7.558, 272.130

■ 39, 10.929,
273.127

■ 40, 14.239,
274.083

Harmonies

Complementary

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



30, 18.011, 83.956



24, 17.717, 277.514

Rectangle

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



30, 18.011, 83.956



30, 18.011, 133.956



30, 18.011, 263.956



30, 18.011, 313.956

Sweetspot

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



30, 18.011, 83.961



43, 6.249, 88.101



23, 20.443, 357.951



21, 4.270, 87.953



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



30, 18.011, 83.961



38, 26.929, 82.430



34, 24.453, 112.812



16, 1.979, 88.754



32, 42.859, 75.782



69, 76.816, 73.606

Inverse Universe

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



24, 17.717, 277.514



28, 26.545, 280.314



20, 27.316, 300.546



15, 1.978, 270.857



17, 46.740, 293.562



41, 90.067, 296.205

Previews

White Background



This preview shows how the CIELCh color 30, 18.011, 83.956 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, 18.011, 83.956 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

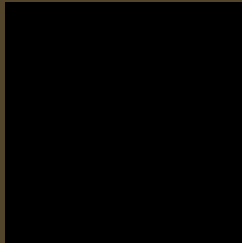
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 18.011, 83.956

Background



This preview shows how black text looks on a background with the CIELCh color 30, 18.011, 83.956.

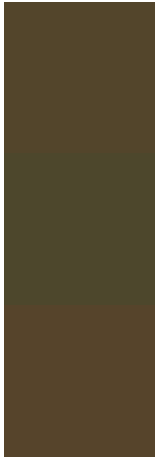


This preview shows how white text looks on a background with the CIELCh color 30, 18.011, 83.956.

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

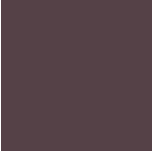
30, 18.011, 83.956

Protanopia

30, 17.284, 96.993

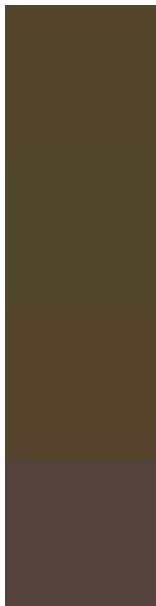
Deuteranopia

30, 18.466, 77.583



Tritanopia
30, 9.766, 358.168

Trichromacy



Original Color
30, 18.011, 83.956

Protanomaly
30, 17.071, 91.763

Deuteranomaly
30, 18.200, 78.947

Tritanomaly
30, 9.126, 40.990

Monochromacy



Original Color
30, 18.011, 83.956

Achromatopsia
30, 0.005, 296.813

Achromatomaly
30, 6.790, 88.848

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 18.011, 83.956 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(83, 69, 43)` looks like.

```
.text, #text, p{  
    color:rgb(83, 69, 43)  
}
```

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(83, 69, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 69, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 18.011, 83.956 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(83, 69, 43) }
```

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

```
.border{ border-color:rgb(83, 69, 43) }
```

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

Here you see how a box with a 4 pixel rgb(83, 69, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 69, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 69, 43);  
box-shadow:4px 4px 4px 4px rgb(83, 69, 43)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 18.011, 83.956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 69, 43) }
```

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

```
.background{ background-color: rgb(83, 69,  
43) }
```

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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