

Converting Colors

CIELCh(30, 20.846, 106.066)

Have a look what the booklet for
CIELCh(30, 20.846, 106.066)
contains.

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Color

CIELCh(30, 20.598, 104.866)

Conversions

Conversions Part 1

Format	Color
Hex	494827
RGB	73, 72, 39
RGB Percent	29%, 28%, 15%
CMY	0.7128, 0.7168, 0.8463
CMYK	0.00, 0.01, 0.46, 0.71
HSL	58°, 30%, 22%
HSV	58°, 46%, 29%
XYZ	5.4656, 6.2359, 2.8528
YIQ	68.5370, 11.1890, -10.0510

Conversions

Conversions Part 2

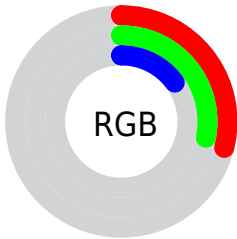
Format	Color
R_{YB}	40, 73, 39
Decimal	4802599
CIE _{Lab}	30.00, -5.28, 19.91
CIE _{LCh}	30, 20.598, 104.866
Yxy	6.2359, 0.3755, 0.4285
Android (android.graphics.Color)	4282992679 (0xFF494827)
YUV	68.5370, -14.5617, 3.9141
Hunter-Lab	24.9718, -4.6319, 10.7070

Details

The CIELCh color **30, 20.598, 104.866** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **18, 22.828, 294.744**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **50, 20.238, 104.980**, and **10, 15.795, 108.356** is the 20% darker color. If you saturate the color by 10%, you get **30, 24.726, 104.030**, and if you desaturate by 10%, it is **30, 16.296, 105.742**.

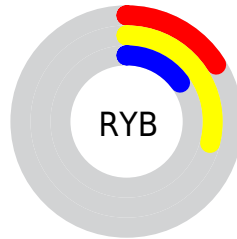
Distribution



Red (29%)

Green (28%)

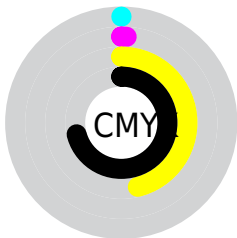
Blue (15%)



Red (16%)

Yellow (29%)

Blue (15%)

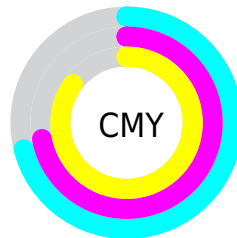


Cyan (0%)

Magenta (1%)

Yellow (46%)

Black (71%)



Cyan (71%)


Magenta (72%)


Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 20.598, 104.866 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, 20.598, 104.866 by changing the saturation by 10% instead.


 30, 20.598,
104.866


 30, 20.598,
104.866

 100, 20.598,
104.866


 20, 20.598,
104.866


 50, 20.598,
104.866


 10, 20.598,
104.866

 60, 20.598,
104.866

 0, 20.598, 104.866

 70, 20.598,
104.866

 80, 20.598,
104.866

 90, 20.598,
104.866

■ 30, 20.598,
104.866

■ 30, 20.598,
104.866

■ 30, 24.726,
104.030

■ 30, 16.296,
105.742

■ 30, 28.578,
103.244

■ 30, 11.886,
106.631

■ 30, 32.015,
102.535

■ 31, 7.414, 107.523

■ 29, 34.859,
101.928

■ 31, 2.911, 108.402

■ 31, 1.604, 289.309

■ 29, 37.545,
101.362

■ 32, 6.116, 290.142

■ 29, 38.564,
101.161

■ 32, 10.617,
290.963

■ 32, 15.100,
291.754

■ 33, 19.559,

Harmonies

Complementary

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



30, 20.598, 104.866



18, 22.828, 294.744

Rectangle

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



30, 20.598, 104.866



30, 20.598, 154.866



30, 20.598, 284.866



30, 20.598, 334.866

Sweetspot

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



30, 20.599, 104.869



40, 7.783, 107.695



20, 17.264, 21.108



20, 5.418, 107.589



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



30, 20.599, 104.869



38, 30.184, 103.897



29, 22.604, 125.915



14, 2.459, 108.220



40, 47.590, 101.074



86, 86.800, 100.937

Inverse Universe

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



18, 22.828, 294.744



20, 34.691, 296.840



19, 24.127, 310.097



12, 2.503, 289.780



9, 65.326, 305.556



29, 121.310, 306.012

Previews

White Background



This preview shows how the CIELCh color 30, 20.598, 104.866 looks on a white background.

Color Contrast Check

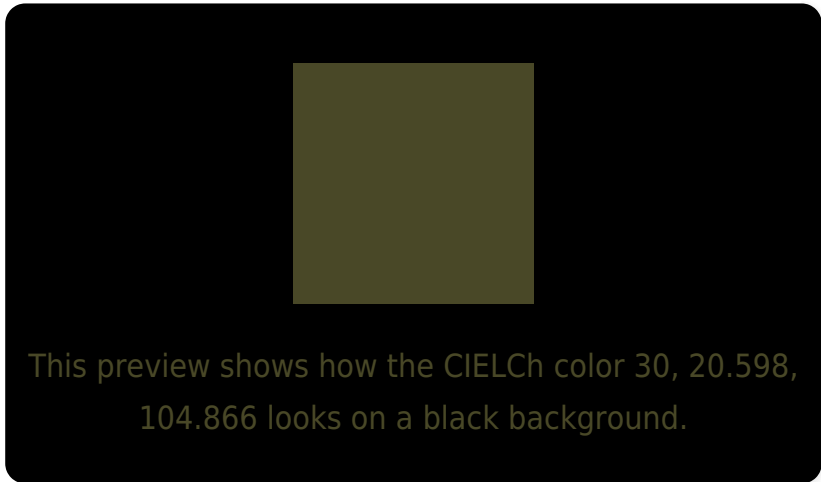
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

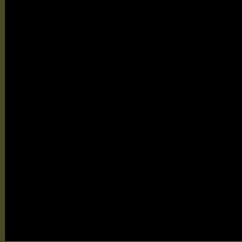
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 20.598, 104.866

Background



This preview shows how black text looks on a background with the CIELCh color 30, 20.598, 104.866.



This preview shows how white text looks on a background with the CIELCh color 30, 20.598, 104.866.

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, 20.598, 104.866

Protanopia

30, 20.372, 96.353

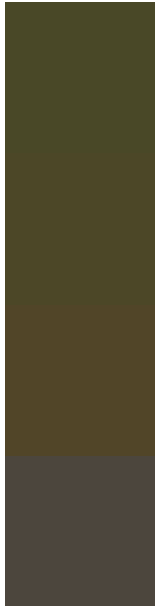
Deuteranopia

30, 19.898, 77.644



Tritanopia
30, 5.531, 336.380

Trichromacy



Original Color
30, 20.598, 104.866

Protanomaly
30, 20.205, 99.179

Deuteranomaly
30, 19.365, 88.317

Tritanomaly
30, 6.384, 83.121

Monochromacy



Original Color
30, 20.598, 104.866

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 7.666, 105.215

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 20.598, 104.866 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(73, 72, 39)` looks like.

```
.text, #text, p{  
    color:rgb(73, 72, 39)  
}
```

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(73, 72, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 72, 39) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 20.598, 104.866 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(73, 72, 39) }
```

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

```
.border{ border-color:rgb(73, 72, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 72, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 72, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 72, 39);  
box-shadow:4px 4px 4px 4px rgb(73, 72, 39)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 20.598, 104.866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 72, 39) }
```

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

```
.background{ background-color: rgb(73, 72,  
39) }
```

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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