

Converting Colors

CIELCh(30, 31.584, 98.516)

Have a look what the booklet for
CIELCh(30, 31.584, 98.516) contains.

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Color

CIELCh(30, 31.584, 98.516)

Conversions

Conversions Part 1

Format	Color
Hex	4E4813
RGB	78, 72, 19
RGB Percent	31%, 28%, 7%
CMY	0.6957, 0.7191, 0.9270
CMYK	0.00, 0.08, 0.76, 0.70
HSL	54°, 61%, 19%
HSV	54°, 76%, 30%
XYZ	5.5174, 6.2359, 1.5122
YIQ	67.7520, 20.5890, -15.2110

Conversions

Conversions Part 2

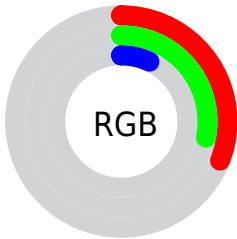
Format	Color
R_{YB}	26, 78, 19
Decimal	5130259
CIE Lab	30.00, -4.68, 31.24
CIE LCh	30, 31.584, 98.516
Yxy	6.2359, 0.4159, 0.4701
Android (android.graphics.Color)	4283320339 (0xFF4E4813)
YUV	67.7520, -24.0347, 8.9875
Hunter-Lab	24.9718, -4.2618, 13.8898

Details

The CIELCh color **30, 31.584, 98.516** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **12, 37.983, 298.077**, and the grayscale version is **29, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 31.604, 98.420**, and **10, 15.805, 103.865** is the 20% darker color. If you saturate the color by 10%, you get **30, 34.501, 97.678**, and if you desaturate by 10%, it is **30, 28.084, 99.413**.

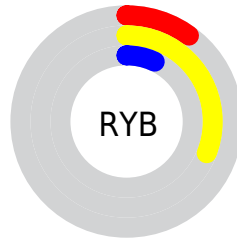
Distribution



 Red (31%)

 Green (28%)

 Blue (7%)



 Red (10%)

 Yellow (31%)

 Blue (7%)

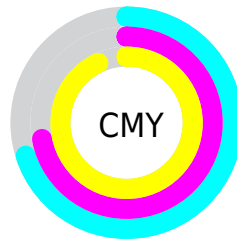


 Cyan (0%)

 Magenta (8%)

 Yellow (76%)

 Black (70%)



 Cyan (70%)

 Magenta (72%)

 Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 30, 31.584, 98.516 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, 31.584, 98.516 by changing the saturation by 10% instead.

■ 30, 31.584, 98.516

■ 30, 31.584, 98.516

■ 100, 31.584,
98.516

■ 20, 31.584, 98.516

■ 50, 31.584, 98.516

■ 10, 31.584, 98.516

■ 60, 31.584, 98.516

■ 0, 31.584, 98.516

■ 70, 31.584, 98.516

■ 80, 31.584, 98.516

■ 90, 31.584, 98.516

■ 30, 31.584, 98.516

■ 30, 31.584, 98.516

■ 30, 34.501, 97.678

■ 30, 28.084, 99.413

■ 29, 37.146, 96.885

■ 31, 24.194,
100.347

■ 29, 38.305, 96.582

■ 31, 20.062,
101.309

■ 31, 15.786,
102.284

■ 32, 11.431,
103.259

■ 32, 7.039, 104.225

■ 33, 2.635, 105.165

■ 33, 1.763, 286.146

■ 34, 6.146, 287.025

Harmonies

Complementary

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



30, 31.584, 98.516



12, 37.983, 298.077

Rectangle

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



30, 31.584, 98.516



30, 31.584, 148.516



30, 31.584, 278.516



30, 31.584, 328.516

Sweetspot

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



30, 31.584, 98.519



42, 12.683, 103.466



16, 30.217, 21.843



20, 8.665, 103.266



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



30, 31.584, 98.519



39, 43.909, 97.014



30, 36.103, 121.920



15, 2.424, 104.922



39, 46.217, 96.313



82, 83.264, 95.797

Inverse Universe

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



12, 37.983, 298.077



12, 57.668, 302.290



12, 41.566, 309.312



14, 2.461, 286.611



10, 62.706, 303.885



30, 118.605, 305.150

Previews

White Background



This preview shows how the CIELCh color 30, 31.584, 98.516 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, 31.584, 98.516 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

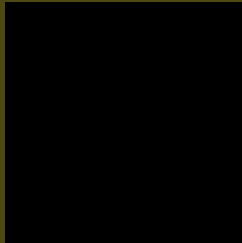
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 31.584, 98.516

Background



This preview shows how black text looks on a background with the CIELCh color 30, 31.584, 98.516.



This preview shows how white text looks on a background with the CIELCh color 30, 31.584, 98.516.

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, 31.584, 98.516

Protanopia

30, 31.806, 95.611

Deuteranopia

30, 30.678, 82.256



Tritanopia
30, 7.422, 355.305

Trichromacy



Original Color
30, 31.584, 98.516

Protanomaly
30, 31.720, 96.551

Deuteranomaly
30, 30.862, 88.523

Tritanomaly
30, 11.555, 80.727

Monochromacy



Original Color
30, 31.584, 98.516

Achromatopsia
28, 0.004, 296.813

Achromatomaly
29, 12.768, 103.340

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 31.584, 98.516 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(78, 72, 19)` looks like.

```
.text, #text, p{  
    color:rgb(78, 72, 19)  
}
```

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(78, 72, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 72, 19) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 31.584, 98.516 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(78, 72, 19) }
```

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

```
.border{ border-color:rgb(78, 72, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 72, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 72, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 72, 19);  
box-shadow:4px 4px 4px 4px rgb(78, 72, 19)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 31.584, 98.516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 72, 19) }
```

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

```
.background{ background-color: rgb(78, 72,  
19) }
```

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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