

Converting Colors

CIELCh(30, 13.650, 197.421)

Have a look what the booklet for
CIELCh(30, 13.650, 197.421)
contains.

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Color

CIELCh(30, 13.840, 197.393)

Conversions

Conversions Part 1

Format	Color
Hex	284D4D
RGB	40, 77, 77
RGB Percent	16%, 30%, 30%
CMY	0.8445, 0.6994, 0.6994
CMYK	0.48, 0.00, 0.00, 0.70
HSL	180°, 32%, 23%
HSV	180°, 48%, 30%
XYZ	4.8198, 6.2359, 7.9088
YIQ	65.9370, -22.0520, -7.8440

Conversions

Conversions Part 2

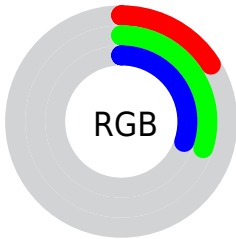
Format	Color
RYB	40, 59, 77
Decimal	2641229
CIELab	30.00, -13.21, -4.14
CIElCh	30, 13.840, 197.393
Yxy	6.2359, 0.2541, 0.3288
Android (android.graphics.Color)	4280831309 (0xFF284D4D)
YUV	65.9370, 5.4541, -22.7467
Hunter-Lab	24.9718, -9.2486, -1.2974

Details

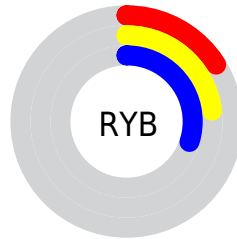
The CIELCh color **30, 13.840, 197.393** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **21, 18.904, 23.898**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 13.891, 197.974**, and **11, 12.408, 196.398** is the 20% darker color. If you saturate the color by 10%, you get **30, 15.919, 197.095**, and if you desaturate by 10%, it is **30, 11.439, 197.738**.

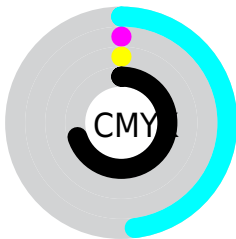
Distribution



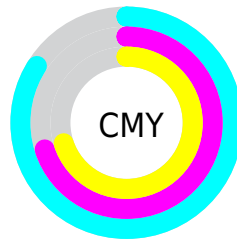
- Red (16%)
- Green (30%)
- Blue (30%)



- Red (16%)
- Yellow (23%)
- Blue (30%)



- Cyan (48%)
- Magenta (0%)
- Yellow (0%)
- Black (70%)





- Cyan (84%)
- Magenta (70%)
- Yellow (70%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 13.840, 197.393 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, 13.840, 197.393 by changing the saturation by 10% instead.


 30, 13.840,
197.393


 30, 13.840,
197.393

 100, 13.840,
197.393


 20, 13.840,
197.393


 50, 13.840,
197.393


 10, 13.840,
197.393

 60, 13.840,
197.393

 0, 13.840, 197.393

 70, 13.840,
197.393

 80, 13.840,
197.393

 90, 13.840,
197.393

■ 30, 13.840,
197.393

■ 30, 13.840,
197.393

■ 30, 15.919,
197.095

■ 30, 11.439,
197.738

■ 29, 17.645,
196.853

■ 31, 8.753, 198.135

■ 31, 5.827, 198.581

■ 29, 19.000,
196.665

■ 32, 2.703, 199.103

■ 29, 19.986,
196.529

■ 33, 0.577, 19.016

■ 29, 20.846,
196.412

■ 33, 3.975, 19.947

■ 34, 7.456, 20.519

■ 29, 20.997,
196.392

■ 35, 10.992, 21.084

■ 36, 14.560, 21.651

Harmonies

Complementary

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



30, 13.840, 197.393



21, 18.904, 23.898

Rectangle

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



30, 13.840, 197.393



30, 13.840, 247.393



30, 13.840, 17.393



30, 13.840, 67.393

Sweetspot

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



30, 13.840, 197.391



41, 5.592, 198.764



29, 28.496, 141.048



20, 3.880, 198.702



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, 13.840, 197.391



39, 19.462, 197.046



24, 13.724, 263.178



15, 1.819, 199.080



39, 25.571, 196.392



83, 46.275, 196.392

Inverse Universe

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



22, 28.410, 326.744



27, 41.362, 327.218



26, 15.554, 69.984



14, 3.312, 324.844



23, 58.970, 328.234



54, 106.714, 328.234

Previews

White Background



This preview shows how the CIELCh color 30, 13.840, 197.393 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, 13.840, 197.393 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

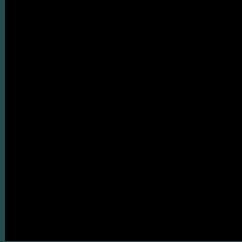
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 13.840, 197.393

Background



This preview shows how black text looks on a background with the CIELCh color 30, 13.840, 197.393.



This preview shows how white text looks on a background with the CIELCh color 30, 13.840, 197.393.

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, 13.840, 197.393

Protanopia

30, 1.980, 303.232

Deuteranopia

30, 6.180, 311.422



Tritanopia
30, 13.153, 214.808

Trichromacy



Original Color
30, 13.840, 197.393

Protanomaly
30, 5.140, 213.225

Deuteranomaly
30, 5.547, 243.007

Tritanomaly
30, 13.059, 209.014

Monochromacy



Original Color
30, 13.840, 197.393

Achromatopsia
28, 0.004, 296.813

Achromatomaly
29, 5.890, 198.510

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 13.840, 197.393 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(40, 77, 77)` looks like.

```
.text, #text, p{  
    color:rgb(40, 77, 77)  
}
```

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(40, 77, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 77, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 13.840, 197.393 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(40, 77, 77) }
```

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

```
.border{ border-color:rgb(40, 77, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 77, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 77, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 77, 77);  
box-shadow:4px 4px 4px 4px rgb(40, 77, 77)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 13.840, 197.393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 77, 77) }
```

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

```
.background{ background-color: rgb(40, 77,  
77) }
```

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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