

Converting Colors

CIELCh(30, 12.794, 164.219)

Have a look what the booklet for
CIELCh(30, 12.794, 164.219)
contains.

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Color

CIELCh(30, 12.818, 164.182)

Conversions

Conversions Part 1

Format	Color
Hex	334C41
RGB	51, 76, 65
RGB Percent	20%, 30%, 25%
CMY	0.8004, 0.7024, 0.7455
CMYK	0.33, 0.00, 0.14, 0.70
HSL	154°, 20%, 25%
HSV	154°, 33%, 30%
XYZ	4.8884, 6.2359, 5.9314
YIQ	67.2710, -11.3690, -8.7210

Conversions

Conversions Part 2

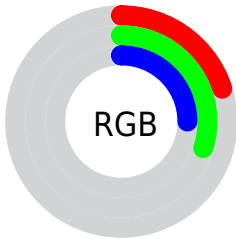
Format	Color
RYB	51, 67, 76
Decimal	3361857
CIELab	30.00, -12.33, 3.49
CIElCh	30, 12.818, 164.182
Yxy	6.2359, 0.2866, 0.3656
Android (android.graphics.Color)	4281551937 (0xFF334C41)
YUV	67.2710, -1.1196, -14.2697
Hunter-Lab	24.9718, -8.7578, 3.3974

Details

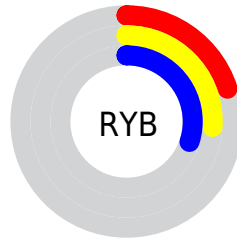
The CIELCh color **30, 12.818, 164.182** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **24, 13.461, 349.957**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 12.825, 164.881**, and **10, 12.632, 164.684** is the 20% darker color. If you saturate the color by 10%, you get **29, 16.520, 163.122**, and if you desaturate by 10%, it is **31, 8.992, 165.143**.

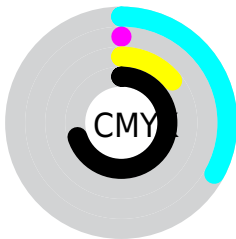
Distribution



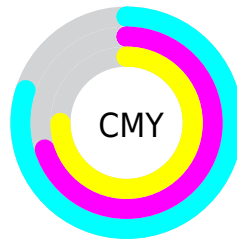
- Red (20%)
- Green (30%)
- Blue (25%)



- Red (20%)
- Yellow (26%)
- Blue (30%)



- Cyan (33%)
- Magenta (0%)
- Yellow (14%)
- Black (70%)





- Cyan (80%)
- Magenta (70%)
- Yellow (75%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 12.818, 164.182 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, 12.818, 164.182 by changing the saturation by 10% instead.


 30, 12.818,
164.182


 30, 12.818,
164.182

 100, 12.818,
164.182


 20, 12.818,
164.182


 50, 12.818,
164.182


 10, 12.818,
164.182

 60, 12.818,
164.182

 0, 12.818, 164.182

 70, 12.818,
164.182

 80, 12.818,
164.182

 90, 12.818,
164.182

■ 30, 12.818,
164.182

■ 30, 12.818,
164.182

■ 29, 16.520,
163.122

■ 31, 8.992, 165.143

■ 29, 20.042,
161.950

■ 31, 5.089, 166.034

■ 29, 23.333,
160.644

■ 32, 1.153, 166.978

■ 28, 26.342,
159.188

■ 34, 6.680, 348.191

■ 28, 29.034,
157.565

■ 35, 10.527,
348.849

■ 28, 31.462,
155.860

■ 36, 14.303,
349.461

■ 28, 33.180,
154.805

■ 37, 17.999,
350.038

■ 38, 21.606,
350.585

Harmonies

Complementary

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



30, 12.818, 164.182



24, 13.461, 349.957

Rectangle

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



30, 12.818, 164.182



30, 12.818, 214.182



30, 12.818, 344.182



30, 12.818, 34.182

Sweetspot

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



30, 12.819, 164.181



41, 4.922, 166.255



30, 16.993, 129.444



21, 3.386, 166.188



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, 12.819, 164.181



39, 19.287, 163.277



30, 9.462, 202.914



15, 2.211, 166.404



37, 41.473, 153.778



81, 77.625, 152.021

Inverse Universe

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



24, 13.461, 349.957



30, 20.500, 350.945



24, 11.645, 25.660



14, 2.242, 347.638



20, 43.103, 4.845



49, 78.009, 8.542

Previews

White Background



This preview shows how the CIE LCh color 30, 12.818, 164.182 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, 12.818, 164.182 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

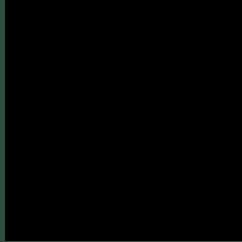
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 12.818, 164.182

Background



This preview shows how black text looks on a background with the CIELCh color 30, 12.818, 164.182.



This preview shows how white text looks on a background with the CIELCh color 30, 12.818, 164.182.

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](#).

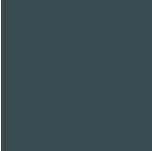
Dichromacy



Original Color
30, 12.818, 164.182

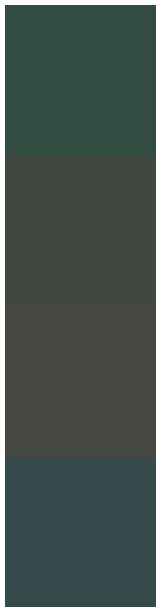
Protanopia
30, 5.424, 89.286

Deuteranopia
30, 5.054, 27.392



Tritanopia
30, 8.636, 224.952

Trichromacy



Original Color
30, 12.818, 164.182

Protanomaly
30, 6.369, 134.205

Deuteranomaly
30, 3.322, 125.209

Tritanomaly
30, 8.891, 198.091

Monochromacy



Original Color
30, 12.818, 164.182

Achromatopsia
28, 0.004, 296.813

Achromatomaly
29, 4.744, 165.797

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 12.818, 164.182 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(51, 76, 65)` looks like.

```
.text, #text, p{  
    color:rgb(51, 76, 65)  
}
```

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(51, 76, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 76, 65) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 12.818, 164.182 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(51, 76, 65) }
```

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

```
.border{ border-color:rgb(51, 76, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 76, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 76, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 76, 65);  
box-shadow:4px 4px 4px 4px rgb(51, 76, 65)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 12.818, 164.182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 76, 65) }
```

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

```
.background{ background-color: rgb(51, 76,  
65) }
```

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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