

Converting Colors

CIELCh(31, 7.040, 216.256)

Have a look what the booklet for
CIELCh(31, 7.040, 216.256) contains.

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Color

CIELCh(31, 7.088, 214.188)

Conversions

Conversions Part 1

Format	Color
Hex	3B4C4F
RGB	59, 76, 79
RGB Percent	23%, 30%, 31%
CMY	0.7689, 0.7022, 0.6904
CMYK	0.25, 0.04, 0.00, 0.69
HSL	189°, 15%, 27%
HSV	189°, 25%, 31%
XYZ	5.7889, 6.6515, 8.3636
YIQ	71.2590, -11.0950, -2.6710

Conversions

Conversions Part 2

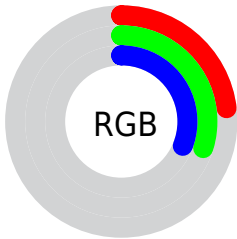
Format	Color
R_{YB}	59, 68, 79
Decimal	3886159
CIE _{Lab}	31.00, -5.86, -3.98
CIE _{LCh}	31, 7.088, 214.188
Yxy	6.6515, 0.2783, 0.3197
Android (android.graphics.Color)	4282076239 (0xFF3B4C4F)
YUV	71.2590, 3.8163, -10.7511
Hunter-Lab	25.7905, -5.0677, -1.1737

Details

The CIELCh color **31, 7.088, 214.188** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **28, 8.296, 34.100**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **51, 7.031, 213.211**, and **11, 7.069, 216.067** is the 20% darker color. If you saturate the color by 10%, you get **30, 9.559, 214.500**, and if you desaturate by 10%, it is **32, 4.413, 214.009**.

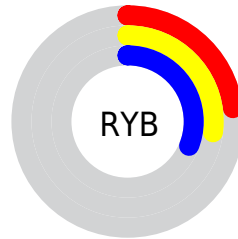
Distribution



Red (23%)

Green (30%)

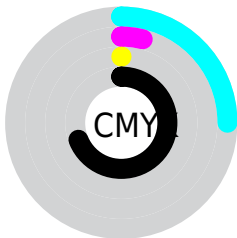
Blue (31%)



Red (23%)

Yellow (27%)

Blue (31%)

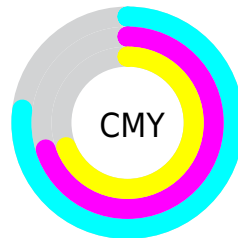


Cyan (25%)

Magenta (4%)

Yellow (0%)

Black (69%)



Cyan (77%)

Magenta (70%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 31, 7.088, 214.188 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 31, 7.088, 214.188 by changing the saturation by 10% instead.

■ 31, 7.088, 214.188

■ 31, 7.088, 214.188

■ 100, 7.088,
214.188

■ 21, 7.088, 214.188

■ 51, 7.088, 214.188

■ 11, 7.088, 214.188

■ 61, 7.088, 214.188

■ 1, 7.088, 214.188

■ 71, 7.088, 214.188

■ 0, 7.088, 214.188

■ 81, 7.088, 214.188

■ 91, 7.088, 214.188

■ 31, 7.088, 214.188

■ 31, 7.088, 214.188

■ 30, 9.559, 214.500

■ 32, 4.413, 214.009

■ 29, 11.787,
214.986

■ 33, 1.572, 214.033

■ 28, 13.733,
215.673

■ 34, 1.401, 33.644

■ 35, 4.478, 33.842

■ 28, 15.366,
216.600

■ 36, 7.632, 33.979

■ 27, 16.660,
217.814

■ 38, 10.841, 34.141

■ 39, 14.088, 34.328

■ 26, 17.605,
219.363

■ 40, 17.358, 34.534

■ 26, 18.335,
221.108

■ 41, 20.640, 34.754

■ 26, 18.689,
221.869

Harmonies

Complementary

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



31, 7.088, 214.188



28, 8.296, 34.100

Rectangle

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



31, 7.088, 214.188



31, 7.088, 264.188



31, 7.088, 34.188



31, 7.088, 84.188

Sweetspot

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



31, 7.088, 214.182



42, 2.896, 213.987



31, 14.133, 146.724



21, 2.028, 213.983



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



31, 7.088, 214.182



39, 10.185, 214.345



28, 8.633, 271.768



15, 1.591, 213.985



33, 22.282, 222.903



73, 40.236, 225.101

Inverse Universe

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



28, 14.002, 330.222



35, 20.487, 330.549



31, 8.762, 85.406



14, 2.987, 329.273



22, 52.777, 334.819



53, 94.760, 335.376

Previews

White Background



This preview shows how the CIELCh color 31, 7.088, 214.188 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 31, 7.088, 214.188 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

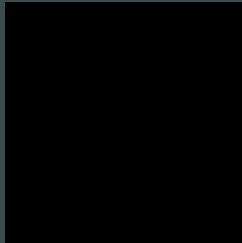
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

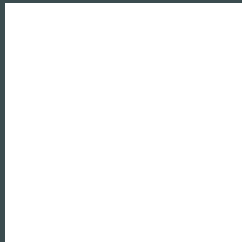
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 31, 7.088, 214.188

Background



This preview shows how black text looks on a background with the CIELCh color 31, 7.088, 214.188.



This preview shows how white text looks on a background with the CIELCh color 31, 7.088, 214.188.

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

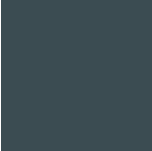
31, 7.088, 214.188

Protanopia

31, 3.226, 298.398

Deuteranopia

31, 6.314, 315.079



Tritanopia
31, 7.658, 228.646

Trichromacy



Original Color

31, 7.088, 214.188

Protanomaly

31, 3.778, 257.002

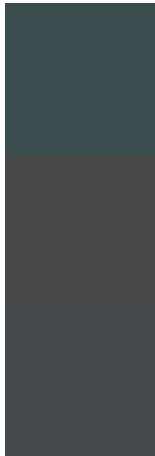
Deuteranomaly

31, 4.607, 275.197

Tritanomaly

31, 7.419, 224.076

Monochromacy



Original Color

31, 7.088, 214.188

Achromatopsia

30, 0.005, 296.813

Achromatomaly

31, 2.632, 213.187

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 7.088, 214.188 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(59, 76, 79)` looks like.

```
.text, #text, p{  
    color:rgb(59, 76, 79)  
}
```

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(59, 76, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 76, 79) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 7.088, 214.188 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(59, 76, 79) }
```

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

```
.border{ border-color:rgb(59, 76, 79) }
```

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

Here you see how a box with a 4 pixel rgb(59, 76, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 76, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 76, 79);  
box-shadow:4px 4px 4px 4px rgb(59, 76, 79)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 7.088, 214.188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 76, 79) }
```

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

```
.background{ background-color: rgb(59, 76,  
79) }
```

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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