

Converting Colors

CIELCh(30, 16.670, 230.547)

Have a look what the booklet for
CIELCh(30, 16.670, 230.547)
contains.

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Color

CIELCh(30, 16.670, 230.547)

Conversions

Conversions Part 1

Format	Color
Hex	1F4C5A
RGB	31, 76, 90
RGB Percent	12%, 30%, 35%
CMY	0.8774, 0.7011, 0.6462
CMYK	0.65, 0.16, 0.00, 0.65
HSL	194°, 49%, 24%
HSV	194°, 65%, 35%
XYZ	5.0269, 6.2359, 10.6613
YIQ	64.1410, -31.3140, -5.1860

Conversions

Conversions Part 2

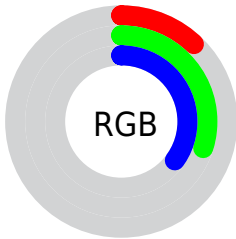
Format	Color
R_{YB}	31, 57, 90
Decimal	2051162
CIE _{Lab}	30.00, -10.59, -12.87
CIE _{LCh}	30, 16.670, 230.547
Yxy	6.2359, 0.2293, 0.2844
Android (android.graphics.Color)	4280241242 (0xFF1F4C5A)
YUV	64.1410, 12.7485, -29.0647
Hunter-Lab	24.9718, -7.7678, -7.8326




Details

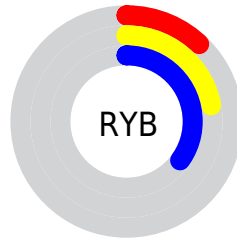
The CIELCh color **30, 16.670, 230.547** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **24, 26.352, 43.525**, and the grayscale version is **27, 0.004, 296.813**.




A 20% lighter version of the original color is **50, 16.697, 230.120**, and **11, 13.066, 240.441** is the 20% darker color. If you saturate the color by 10%, you get **29, 18.191, 232.810**, and if you desaturate by 10%, it is **31, 14.825, 228.735**.

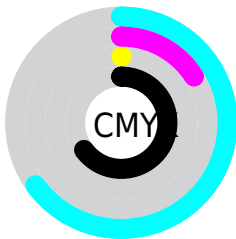
Distribution







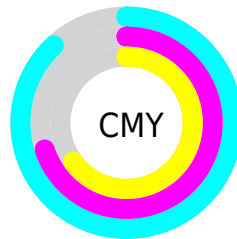
-  Red (12%)
-  Green (30%)
-  Blue (35%)






-  Red (12%)
-  Yellow (22%)
-  Blue (35%)



-  Cyan (65%)
-  Magenta (16%)
-  Yellow (0%)
-  Black (65%)





-  Cyan (88%)
-  Magenta (70%)
-  Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 16.670, 230.547 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, 16.670, 230.547 by changing the saturation by 10% instead.


 30, 16.670,
230.547


 30, 16.670,
230.547

 100, 16.670,
230.547


 20, 16.670,
230.547


 50, 16.670,
230.547


 10, 16.670,
230.547

 60, 16.670,
230.547

 0, 16.670, 230.547

 70, 16.670,
230.547

 80, 16.670,
230.547

 90, 16.670,
230.547

■ 30, 16.670,
230.547

■ 30, 16.670,
230.547

■ 29, 18.191,
232.810

■ 31, 14.825,
228.735

■ 28, 19.393,
235.595

■ 32, 12.674,
227.303

■ 27, 20.378,
238.763

■ 34, 10.247,
226.186

■ 27, 20.856,
240.150

■ 35, 7.581, 225.327

■ 36, 4.714, 224.685

■ 38, 1.683, 224.297

■ 39, 1.480, 43.544

■ 40, 4.745, 43.413

■ 42, 8.088, 43.251

Harmonies

Complementary

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



30, 16.670, 230.547



24, 26.352, 43.525

Rectangle

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



30, 16.670, 230.547



30, 16.670, 280.547



30, 16.670, 50.547



30, 16.670, 100.547

Sweetspot

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



30, 16.670, 230.546



46, 7.519, 224.998



34, 36.470, 145.752



22, 5.055, 225.114



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



30, 16.670, 230.546



37, 22.671, 234.172



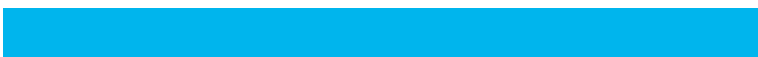
20, 29.403, 287.636



18, 1.771, 224.387



33, 24.015, 241.307



69, 42.907, 244.423

Inverse Universe

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



23, 35.993, 336.265



28, 49.866, 337.561



32, 27.755, 88.327



17, 3.278, 332.362



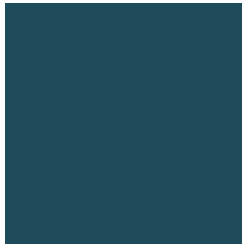
23, 52.121, 339.817



53, 90.908, 340.776

Previews

White Background



This preview shows how the CIELCh color 30, 16.670, 230.547 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 30, 16.670, 230.547 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

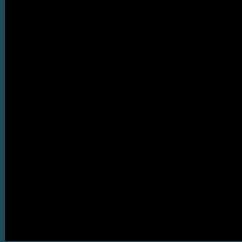
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

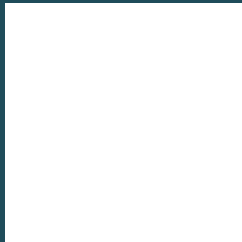
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 30, 16.670, 230.547

Background



This preview shows how black text looks on a background with the CIELCh color 30, 16.670, 230.547.



This preview shows how white text looks on a background with the CIELCh color 30, 16.670, 230.547.

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

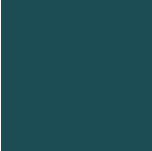
30, 16.670, 230.547

Protanopia

30, 10.291, 285.383

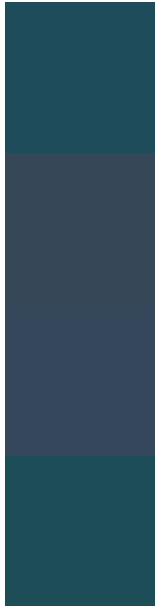
Deuteranopia

30, 14.764, 288.412



Tritanopia
30, 16.576, 213.091

Trichromacy



Original Color
30, 16.670, 230.547

Protanomaly
30, 12.028, 257.922

Deuteranomaly
30, 13.740, 261.981

Tritanomaly
30, 16.495, 218.005

Monochromacy



Original Color
30, 16.670, 230.547

Achromatopsia
27, 0.004, 296.813

Achromatomaly
28, 7.418, 230.372

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 16.670, 230.547 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(31, 76, 90)` looks like.

```
.text, #text, p{  
    color:rgb(31, 76, 90)  
}
```

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(31, 76, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 76, 90) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 16.670, 230.547 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(31, 76, 90) }
```

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

```
.border{ border-color:rgb(31, 76, 90) }
```

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

Here you see how a box with a 4 pixel rgb(31, 76, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 76, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 76, 90);  
box-shadow:4px 4px 4px 4px rgb(31, 76, 90)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 16.670, 230.547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 76, 90) }
```

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

```
.background{ background-color: rgb(31, 76,  
90) }
```

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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