

Converting Colors

CIELCh(30, 18.237, 280.226)

Have a look what the booklet for
CIELCh(30, 18.237, 280.226)
contains.

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Color

CIELCh(30, 18.211, 280.913)

Conversions

Conversions Part 1

Format	Color
Hex	3B4662
RGB	59, 70, 98
RGB Percent	23%, 27%, 38%
CMY	0.7676, 0.7245, 0.6146
CMYK	0.40, 0.29, 0.00, 0.61
HSL	223°, 25%, 31%
HSV	223°, 40%, 39%
XYZ	6.2416, 6.2359, 12.4957
YIQ	69.9030, -15.5440, 6.3760

Conversions

Conversions Part 2

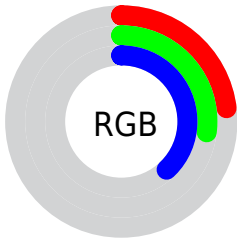
Format	Color
R_{YB}	59, 68, 98
Decimal	3884642
CIE _{Lab}	30.00, 3.45, -17.88
CIE _{LCh}	30, 18.211, 280.913
Yxy	6.2359, 0.2499, 0.2497
Android (android.graphics.Color)	4282074722 (0xFF3B4662)
YUV	69.9030, 13.8518, -9.5619
Hunter-Lab	24.9718, 0.9149, -12.1881

Details

The CIELCh color **30, 18.211, 280.913** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **37, 17.924, 90.356**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **50, 18.381, 281.451**, and **10, 18.060, 280.383** is the 20% darker color. If you saturate the color by 10%, you get **27, 23.057, 283.003**, and if you desaturate by 10%, it is **33, 13.478, 279.102**.

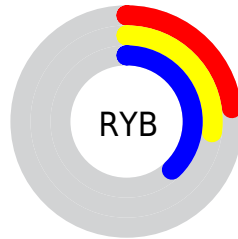
Distribution



Red (23%)

Green (27%)

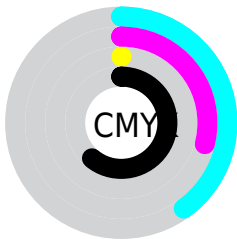
Blue (38%)



Red (23%)

Yellow (27%)

Blue (38%)

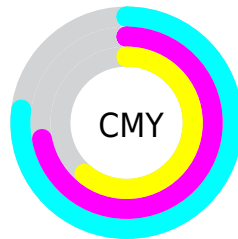


Cyan (40%)

Magenta (29%)

Yellow (0%)

Black (61%)



Cyan (77%)

Magenta (72%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 30, 18.211, 280.913 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, 18.211, 280.913 by changing the saturation by 10% instead.

■ 30, 18.211,
280.913

■ 30, 18.211,
280.913

■ 100, 18.211,
280.913

■ 20, 18.211,
280.913

■ 50, 18.211,
280.913

■ 10, 18.211,
280.913

■ 60, 18.211,
280.913

■ 0, 18.211, 280.913

■ 70, 18.211,
280.913

■ 80, 18.211,
280.913

■ 90, 18.211,
280.913

■ 30, 18.211,
280.913

■ 30, 18.211,
280.913

■ 27, 23.057,
283.003

■ 33, 13.478,
279.102

■ 24, 28.034,
285.395

■ 36, 8.849, 277.539

■ 39, 4.315, 276.198

■ 21, 33.154,
288.092

■ 42, 0.128, 94.026

■ 19, 38.418,
291.056

■ 45, 4.483, 93.939

■ 16, 43.787,
294.194

■ 48, 8.753, 93.054

■ 50, 12.939, 92.267

■ 14, 49.195,
297.047

■ 53, 17.043, 91.567

■ 14, 49.358,
297.123

■ 56, 21.067, 90.943

Harmonies

Complementary

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



30, 18.211, 280.913



37, 17.924, 90.356

Rectangle

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



30, 18.211, 280.913



30, 18.211, 330.913



30, 18.211, 100.913



30, 18.211, 150.913

Sweetspot

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



30, 18.210, 280.913



49, 6.631, 276.533



39, 16.777, 173.376



24, 4.363, 276.632



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



30, 18.210, 280.913



36, 27.579, 282.939



27, 25.613, 301.758



18, 2.465, 276.096



16, 55.095, 297.687



38, 102.498, 299.757

Inverse Universe

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



30, 18.869, 1.636



36, 28.446, 3.243



40, 23.535, 116.179



18, 2.506, 357.943



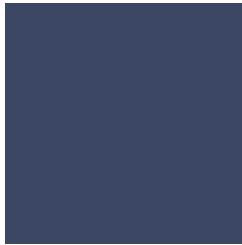
22, 47.575, 19.914



51, 84.976, 23.767

Previews

White Background



This preview shows how the CIELCh color 30, 18.211, 280.913 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, 18.211, 280.913 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

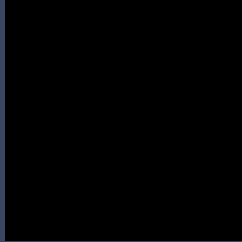
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 18.211, 280.913

Background



This preview shows how black text looks on a background with the CIELCh color 30, 18.211, 280.913.

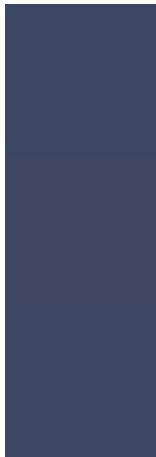


This preview shows how white text looks on a background with the CIELCh color 30, 18.211, 280.913.

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, 18.211, 280.913

Protanopia

30, 18.051, 284.139

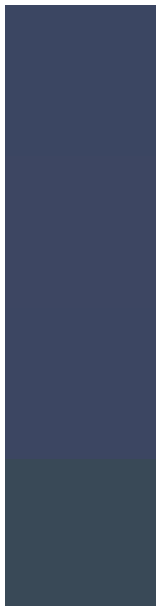
Deuteranopia

30, 18.099, 283.047



Tritanopia
30, 8.317, 226.097

Trichromacy



Original Color
30, 18.211, 280.913

Protanomaly
30, 18.099, 283.047

Deuteranomaly
30, 18.152, 281.972

Tritanomaly
30, 10.640, 256.647

Monochromacy



Original Color
30, 18.211, 280.913

Achromatopsia
30, 0.005, 296.813

Achromatomaly
30, 6.584, 276.883

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 18.211, 280.913 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, 70, 98)` looks like.

```
.text, #text, p{  
    color:rgb(59, 70, 98)  
}
```

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, 70, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 70, 98) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 18.211, 280.913 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, 70, 98) }
```

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

```
.border{ border-color:rgb(59, 70, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 70, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 70, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 70, 98);  
box-shadow:4px 4px 4px 4px rgb(59, 70, 98)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 18.211, 280.913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 70, 98) }
```

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

```
.background{ background-color: rgb(59, 70,  
98) }
```

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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