

Converting Colors

CIELCh(30, 13.193, 188.726)

Have a look what the booklet for
CIELCh(30, 13.193, 188.726)
contains.

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Color

CIELCh(30, 13.063, 188.926)

Conversions

Conversions Part 1

Format	Color
Hex	2B4C49
RGB	43, 76, 73
RGB Percent	17%, 30%, 29%
CMY	0.8297, 0.7003, 0.7121
CMYK	0.43, 0.00, 0.04, 0.70
HSL	175°, 28%, 23%
HSV	175°, 43%, 30%
XYZ	4.8434, 6.2359, 7.3238
YIQ	65.7910, -18.7050, -7.9290

Conversions

Conversions Part 2

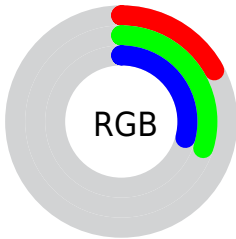
Format	Color
R_{YB}	43, 60, 76
Decimal	2837577
CIE Lab	30.00, -12.90, -2.03
CIE LCh	30, 13.063, 188.926
Yxy	6.2359, 0.2632, 0.3388
Android (android.graphics.Color)	4281027657 (0xFF2B4C49)
YUV	65.7910, 3.5540, -19.9877
Hunter-Lab	24.9718, -9.0794, 0.0915

Details

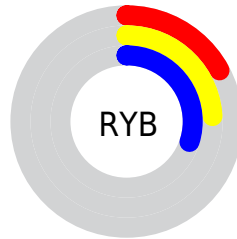
The CIELCh color **30, 13.063, 188.926** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **22, 16.368, 16.300**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 13.045, 187.633**, and **10, 12.545, 189.574** is the 20% darker color. If you saturate the color by 10%, you get **30, 15.482, 188.205**, and if you desaturate by 10%, it is **30, 10.367, 189.629**.

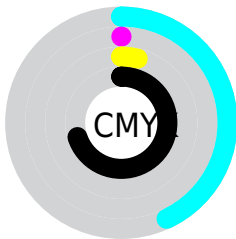
Distribution



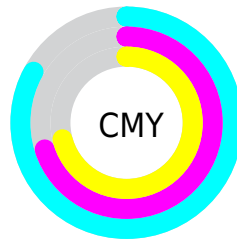
- Red (17%)
- Green (30%)
- Blue (29%)



- Red (17%)
- Yellow (24%)
- Blue (30%)



- Cyan (43%)
- Magenta (0%)
- Yellow (4%)
- Black (70%)





- Cyan (83%)
- Magenta (70%)
- Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 13.063, 188.926 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, 13.063, 188.926 by changing the saturation by 10% instead.


 30, 13.063,
188.926


 30, 13.063,
188.926

 100, 13.063,
188.926


 20, 13.063,
188.926


 50, 13.063,
188.926


 10, 13.063,
188.926

 60, 13.063,
188.926

 0, 13.063, 188.926

 70, 13.063,
188.926

 80, 13.063,
188.926

 90, 13.063,
188.926

■ 30, 13.063,
188.926

■ 30, 13.063,
188.926

■ 30, 15.482,
188.205

■ 30, 10.367,
189.629

■ 29, 17.584,
187.466

■ 31, 7.438, 190.331

■ 32, 4.322, 191.041

■ 29, 19.339,
186.697

■ 32, 1.062, 191.912

■ 29, 20.729,
185.884

■ 33, 2.303, 12.215

■ 29, 21.832,
185.045

■ 34, 5.737, 12.955

■ 35, 9.214, 13.637

■ 29, 22.584,
184.511

■ 36, 12.707, 14.302

■ 36, 16.200, 14.955

Harmonies

Complementary

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



30, 13.063, 188.926



22, 16.368, 16.300

Rectangle

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



30, 13.063, 188.926



30, 13.063, 238.926



30, 13.063, 8.926



30, 13.063, 58.926

Sweetspot

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



30, 13.063, 188.924



41, 5.295, 191.019



29, 24.786, 139.214



20, 3.726, 190.921



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, 13.063, 188.924



39, 18.765, 188.151



26, 11.186, 249.820



15, 1.845, 191.381



38, 27.663, 184.069



82, 50.401, 183.257

Inverse Universe

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



22, 16.368, 16.300



27, 25.060, 18.164



26, 13.428, 60.041



14, 1.922, 12.417



19, 48.624, 32.280



48, 92.715, 36.880

Previews

White Background



This preview shows how the CIE LCh color 30, 13.063, 188.926 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, 13.063, 188.926 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

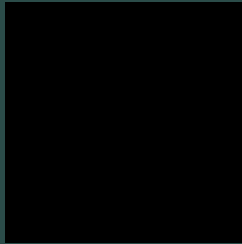
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

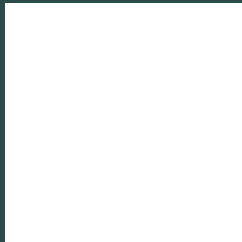
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 30, 13.063, 188.926

Background



This preview shows how black text looks on a background with the CIELCh color 30, 13.063, 188.926.



This preview shows how white text looks on a background with the CIELCh color 30, 13.063, 188.926.

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, 13.063, 188.926

Protanopia

30, 0.886, 19.254

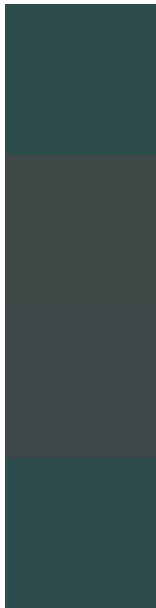
Deuteranopia

30, 5.452, 324.877



Tritanopia
30, 11.428, 217.741

Trichromacy



Original Color
30, 13.063, 188.926

Protanomaly
30, 4.338, 190.253

Deuteranomaly
30, 3.496, 232.568

Tritanomaly
30, 11.863, 203.953

Monochromacy



Original Color
30, 13.063, 188.926

Achromatopsia
28, 0.004, 296.813

Achromatomaly
29, 5.172, 191.431

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 13.063, 188.926 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(43, 76, 73)` looks like.

```
.text, #text, p{  
    color:rgb(43, 76, 73)  
}
```

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(43, 76, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 76, 73) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 13.063, 188.926 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(43, 76, 73) }
```

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

```
.border{ border-color:rgb(43, 76, 73) }
```

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

Here you see how a box with a 4 pixel rgb(43, 76, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 76, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 76, 73);  
box-shadow:4px 4px 4px 4px rgb(43, 76, 73)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 13.063, 188.926 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 76, 73) }
```

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

```
.background{ background-color: rgb(43, 76,  
73) }
```

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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