

Converting Colors

CIELCh(30, 17.931, 190.586)

Have a look what the booklet for
CIELCh(30, 17.931, 190.586)
contains.

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Color

CIELCh(30, 17.931, 190.586)

Conversions

Conversions Part 1

Format	Color
Hex	1B4E4B
RGB	27, 78, 75
RGB Percent	11%, 31%, 29%
CMY	0.8929, 0.6931, 0.7048
CMYK	0.65, 0.00, 0.04, 0.69
HSL	176°, 48%, 21%
HSV	176°, 65%, 31%
XYZ	4.4827, 6.2359, 7.6715
YIQ	62.4090, -29.4330, -11.7450

Conversions

Conversions Part 2

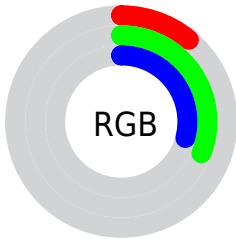
Format	Color
R_{YB}	27, 53, 78
Decimal	1789515
CIE Lab	30.00, -17.63, -3.29
CIE LCh	30, 17.931, 190.586
Yxy	6.2359, 0.2438, 0.3391
Android (android.graphics.Color)	4279979595 (0xFF1B4E4B)
YUV	62.4090, 6.2074, -31.0537
Hunter-Lab	24.9718, -11.6578, -0.7340

Details

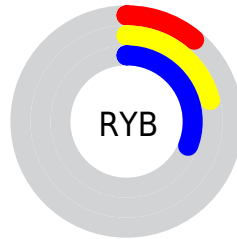
The CIELCh color **30, 17.931, 190.586** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **18, 26.422, 23.044**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 17.644, 191.814**, and **10, 12.851, 189.640** is the 20% darker color. If you saturate the color by 10%, you get **30, 19.553, 189.984**, and if you desaturate by 10%, it is **30, 15.942, 191.179**.

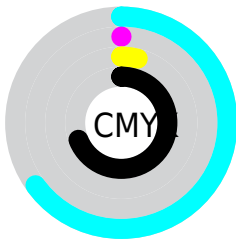
Distribution



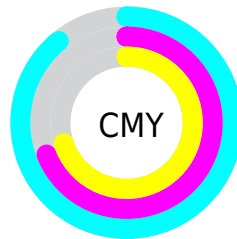
- Red (11%)
- Green (31%)
- Blue (29%)



- Red (11%)
- Yellow (21%)
- Blue (31%)



- Cyan (65%)
- Magenta (0%)
- Yellow (4%)
- Black (69%)




- Cyan (89%)
- Magenta (69%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 17.931, 190.586 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, 17.931, 190.586 by changing the saturation by 10% instead.


 30, 17.931,
190.586


 30, 17.931,
190.586

 100, 17.931,
190.586


 20, 17.931,
190.586


 50, 17.931,
190.586


 10, 17.931,
190.586

 60, 17.931,
190.586

 0, 17.931, 190.586

 70, 17.931,
190.586

 80, 17.931,
190.586

 90, 17.931,
190.586

■ 30, 17.931,
190.586

■ 30, 17.931,
190.586

■ 30, 19.553,
189.984

■ 30, 15.942,
191.179

■ 30, 20.797,
189.369

■ 31, 13.613,
191.775

■ 29, 21.791,
188.753

■ 31, 10.982,
192.378

■ 29, 22.283,
188.469

■ 32, 8.092, 192.991

■ 32, 4.990, 193.625

■ 33, 1.721, 194.351

■ 34, 1.675, 14.650

■ 34, 5.159, 15.392

■ 35, 8.700, 16.046

Harmonies

Complementary

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



30, 17.931, 190.586



18, 26.422, 23.044

Rectangle

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



30, 17.931, 190.586



30, 17.931, 240.586



30, 17.931, 10.586



30, 17.931, 60.586

Sweetspot

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



30, 17.931, 190.584



42, 8.115, 193.265



29, 37.294, 138.156



20, 5.447, 193.173



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, 17.931, 190.584



39, 24.395, 189.633



22, 17.035, 259.587



15, 1.832, 194.067



38, 26.810, 188.193



83, 48.709, 187.633

Inverse Universe

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



18, 26.422, 23.044



22, 39.865, 27.625



23, 21.932, 61.514



14, 1.914, 15.008



19, 49.263, 33.609



48, 94.227, 38.169

Previews

White Background



This preview shows how the CIELCh color 30, 17.931, 190.586 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, 17.931, 190.586 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

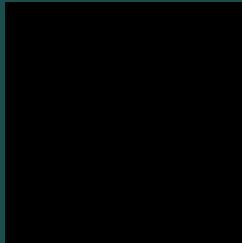
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 17.931, 190.586

Background



This preview shows how black text looks on a background with the CIELCh color 30, 17.931, 190.586.



This preview shows how white text looks on a background with the CIELCh color 30, 17.931, 190.586.

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, 17.931, 190.586

Protanopia

30, 0.886, 19.254

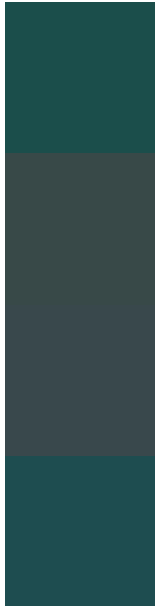
Deuteranopia

30, 5.586, 313.687



Tritanopia
30, 15.913, 211.396

Trichromacy



Original Color
30, 17.931, 190.586

Protanomaly
30, 7.121, 193.134

Deuteranomaly
29, 6.563, 221.736

Tritanomaly
30, 16.200, 204.015

Monochromacy



Original Color
30, 17.931, 190.586

Achromatopsia
27, 0.004, 296.813

Achromatomaly
28, 8.078, 188.833

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 17.931, 190.586 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(27, 78, 75)` looks like.

```
.text, #text, p{  
    color:rgb(27, 78, 75)  
}
```

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(27, 78, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 78, 75) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 17.931, 190.586 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(27, 78, 75) }
```

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

```
.border{ border-color:rgb(27, 78, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(27, 78, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 78, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 78, 75);  
box-shadow:4px 4px 4px 4px rgb(27, 78, 75)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 17.931, 190.586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 78, 75) }
```

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

```
.background{ background-color: rgb(27, 78,  
75) }
```

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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