

Converting Colors

CIELCh(30, 16.967, 208.094)

Have a look what the booklet for
CIELCh(30, 16.967, 208.094)
contains.

CIELCh(30, 17.006, 208.057)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(30, 17.006, 208.057)

Conversions

Conversions Part 1

Format	Color
Hex	1B4E53
RGB	27, 78, 83
RGB Percent	11%, 31%, 33%
CMY	0.8960, 0.6957, 0.6761
CMYK	0.68, 0.06, 0.00, 0.68
HSL	185°, 51%, 21%
HSV	185°, 68%, 32%
XYZ	4.6805, 6.2359, 9.0583
YIQ	63.3210, -32.0010, -9.2570

Conversions

Conversions Part 2

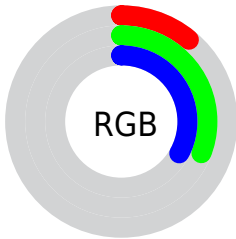
Format	Color
RYB	27, 54, 83
Decimal	1789523
CIELab	30.00, -15.01, -8.00
CIELCh	30, 17.006, 208.057
Yxy	6.2359, 0.2343, 0.3122
Android (android.graphics.Color)	4279979603 (0xFF1B4E53)
YUV	63.3210, 9.7017, -31.8535
Hunter-Lab	24.9718, -10.2442, -4.0268




Details

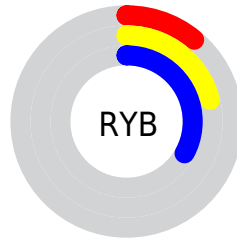
The CIELCh color **30, 17.006, 208.057** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **20, 27.971, 33.010**, and the grayscale version is **27, 0.004, 296.813**.




A 20% lighter version of the original color is **50, 16.812, 207.863**, and **11, 11.959, 214.879** is the 20% darker color. If you saturate the color by 10%, you get **30, 18.263, 208.687**, and if you desaturate by 10%, it is **31, 15.365, 207.613**.

Distribution







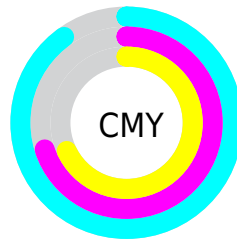
-  Red (11%)
-  Green (31%)
-  Blue (33%)






-  Red (11%)
-  Yellow (21%)
-  Blue (33%)



-  Cyan (68%)
-  Magenta (6%)
-  Yellow (0%)
-  Black (68%)





-  Cyan (90%)
-  Magenta (70%)
-  Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 17.006, 208.057 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, 17.006, 208.057 by changing the saturation by 10% instead.


 30, 17.006,
208.057


 30, 17.006,
208.057

 100, 17.006,
208.057


 20, 17.006,
208.057


 50, 17.006,
208.057


 10, 17.006,
208.057

 60, 17.006,
208.057

 0, 17.006, 208.057

 70, 17.006,
208.057

 80, 17.006,
208.057

 90, 17.006,
208.057

■ 30, 17.006,
208.057

■ 30, 17.006,
208.057

■ 30, 18.263,
208.687

■ 31, 15.365,
207.613

■ 29, 19.131,
209.535

■ 31, 13.364,
207.334

■ 29, 19.825,
210.453

■ 32, 11.036,
207.196

■ 29, 19.976,
210.635

■ 33, 8.424, 207.177

■ 33, 5.571, 207.264

■ 34, 2.521, 207.475

■ 35, 0.686, 27.139

■ 36, 4.014, 27.755

■ 37, 7.432, 28.086

Harmonies

Complementary

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



30, 17.006, 208.057



20, 27.971, 33.010

Rectangle

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



30, 17.006, 208.057



30, 17.006, 258.057



30, 17.006, 28.057



30, 17.006, 78.057

Sweetspot

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



30, 17.006, 208.056



43, 7.656, 207.229



31, 38.942, 141.065



21, 5.138, 207.213



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



30, 17.006, 208.056



38, 22.551, 209.158



21, 22.839, 276.959



16, 1.763, 207.450



36, 23.476, 211.136



78, 41.882, 212.287

Inverse Universe

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



21, 38.146, 330.435



25, 52.465, 331.137



27, 24.698, 75.424



15, 3.293, 327.370



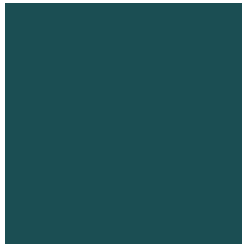
23, 56.155, 331.912



54, 100.240, 332.194

Previews

White Background



This preview shows how the CIELCh color 30, 17.006, 208.057 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, 17.006, 208.057 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

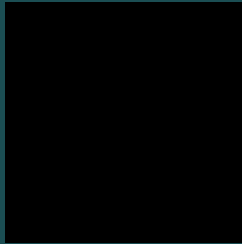
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 17.006, 208.057

Background



This preview shows how black text looks on a background with the CIELCh color 30, 17.006, 208.057.



This preview shows how white text looks on a background with the CIELCh color 30, 17.006, 208.057.

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, 17.006, 208.057

Protanopia

30, 5.128, 291.136

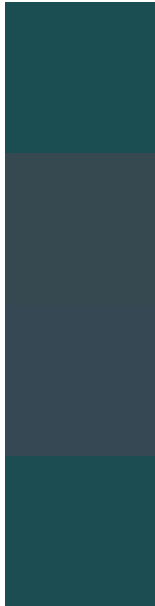
Deuteranopia

30, 10.282, 294.330



Tritanopia
30, 16.775, 212.873

Trichromacy



Original Color
30, 17.006, 208.057

Protanomaly
30, 8.578, 230.216

Deuteranomaly
30, 10.134, 248.539

Tritanomaly
30, 16.758, 210.563

Monochromacy



Original Color
30, 17.006, 208.057

Achromatopsia
27, 0.004, 296.813

Achromatomaly
27, 7.451, 208.389

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 17.006, 208.057 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, 83)` looks like.

```
.text, #text, p{  
    color:rgb(27, 78, 83)  
}
```

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, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 78, 83) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 17.006, 208.057 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, 83) }
```

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

```
.border{ border-color:rgb(27, 78, 83) }
```

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, 83) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 78, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 78, 83);  
box-shadow:4px 4px 4px 4px rgb(27, 78, 83)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 17.006, 208.057 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, 83) }
```

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

```
.background{ background-color: rgb(27, 78,  
83) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor