

Converting Colors

CIELCh(29, 32.325, 202.870)

Have a look what the booklet for
CIELCh(29, 32.325, 202.870)
contains.

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Color

CIELCh(30, 20.850, 209.210)

Conversions

Conversions Part 1

Format	Color
Hex	004F56
RGB	0, 79, 86
RGB Percent	0%, 31%, 34%
CMY	1.0000, 0.6906, 0.6631
CMYK	1.00, 0.08, 0.00, 0.66
HSL	185°, 100%, 17%
HSV	185°, 100%, 34%
XYZ	4.4402, 6.2359, 9.7527
YIQ	56.1770, -49.3310, -14.5710

Conversions

Conversions Part 2

Format	Color
RYB	0, 41, 86
Decimal	20310
CIELab	30.00, -18.20, -10.18
CIELCh	30, 20.850, 209.210
Yxy	6.2359, 0.2174, 0.3052
Android (android.graphics.Color)	4278210390 (0xFF004F56)
YUV	56.1770, 14.7027, -49.2672
Hunter-Lab	24.9718, -11.9616, -5.6755

Details

The CIELCh color **30, 20.850, 209.210** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **16, 42.153, 36.191**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 20.534, 210.770**, and **11, 12.286, 221.844** is the 20% darker color. If you saturate the color by 10%, you get **30, 20.653, 209.355**, and if you desaturate by 10%, it is **30, 19.964, 208.524**.

Distribution



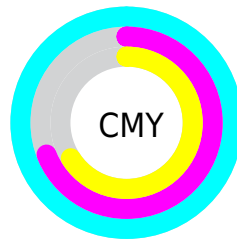
- Red (0%)
- Green (31%)
- Blue (34%)



- Red (0%)
- Yellow (16%)
- Blue (34%)



- Cyan (100%)
- Magenta (8%)
- Yellow (0%)
- Black (66%)





- Cyan (100%)
- Magenta (69%)
- Yellow (66%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 20.850, 209.210 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, 20.850, 209.210 by changing the saturation by 10% instead.


 30, 20.850,
209.210


 30, 20.850,
209.210

 100, 20.850,
209.210


 20, 20.850,
209.210


 50, 20.850,
209.210


 10, 20.850,
209.210

 60, 20.850,
209.210

 0, 20.850, 209.210

 70, 20.850,
209.210

 80, 20.850,
209.210

 90, 20.850,
209.210

■ 30, 20.850,
209.210

■ 30, 20.850,
209.210

■ 30, 20.653,
209.355

■ 30, 19.964,
208.524

■ 31, 19.157,
207.720

■ 31, 17.951,
207.118

■ 32, 16.342,
206.699

■ 32, 14.348,
206.440

■ 33, 12.004,
206.320

■ 34, 9.351, 206.317

■ 35, 6.436, 206.418

Harmonies

Complementary

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



30, 20.850, 209.210



16, 42.153, 36.191

Rectangle

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



30, 20.850, 209.210



30, 20.850, 259.210



30, 20.850, 29.210



30, 20.850, 79.210

Sweetspot

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



30, 20.653, 209.355



44, 11.615, 206.312



31, 52.579, 137.297



21, 7.768, 206.306



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



30, 20.653, 209.355



39, 24.835, 209.845



16, 34.305, 286.348



17, 1.869, 206.664



38, 24.038, 209.766



79, 42.522, 210.768

Inverse Universe

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



18, 49.327, 331.476



25, 59.345, 331.596



24, 36.381, 68.654



16, 3.486, 327.147



24, 57.437, 331.577



55, 101.688, 331.822

Previews

White Background



This preview shows how the CIELCh color 30, 20.850, 209.210 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, 20.850, 209.210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

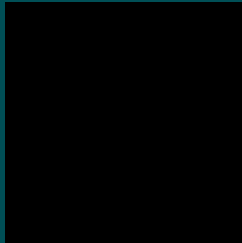
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 20.850, 209.210

Background



This preview shows how black text looks on a background with the CIELCh color 30, 20.850, 209.210.



This preview shows how white text looks on a background with the CIELCh color 30, 20.850, 209.210.

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, 20.670, 209.352

Protanopia

30, 6.415, 287.653

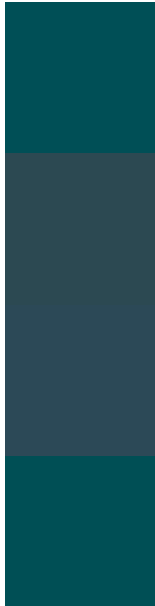
Deuteranopia

30, 11.521, 290.307



Tritanopia
30, 20.719, 207.450

Trichromacy



Original Color
30, 20.670, 209.352

Protanomaly
29, 11.947, 227.254

Deuteranomaly
29, 13.387, 240.846

Tritanomaly
30, 20.719, 207.450

Monochromacy



Original Color
30, 20.670, 209.352

Achromatopsia
24, 0.004, 296.813

Achromatomaly
25, 10.931, 208.200

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 20.850, 209.210 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(0, 79, 86)` looks like.

```
.text, #text, p{  
    color:rgb(0, 79, 86)  
}
```

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(0, 79, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 79, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 20.850, 209.210 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(0, 79, 86) }
```

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

```
.border{ border-color:rgb(0, 79, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 79, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 79, 86); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 79, 86); box-shadow:4px  
4px 4px 4px rgb(0, 79, 86) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 20.850, 209.210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 79, 86) }
```

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

```
.background{ background-color: rgb(0, 79,  
86) }
```

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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