

Converting Colors

CIELCh(29, 18.783, 208.882)

Have a look what the booklet for
CIELCh(29, 18.783, 208.882)
contains.

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Color

CIELCh(29, 18.786, 208.843)

Conversions

Conversions Part 1

Format	Color
Hex	0D4C52
RGB	13, 76, 82
RGB Percent	5%, 30%, 32%
CMY	0.9500, 0.7026, 0.6790
CMYK	0.84, 0.07, 0.00, 0.68
HSL	185°, 73%, 19%
HSV	185°, 84%, 32%
XYZ	4.2530, 5.8380, 8.8544
YIQ	57.8470, -39.4740, -11.4900

Conversions

Conversions Part 2

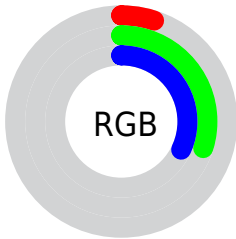
Format	Color
RYB	13, 46, 82
Decimal	871506
CIELab	29.00, -16.46, -9.06
CIELCh	29, 18.786, 208.843
Yxy	5.8380, 0.2245, 0.3081
Android (android.graphics.Color)	4279061586 (0xFF0D4C52)
YUV	57.8470, 11.9074, -39.3308
Hunter-Lab	24.1619, -10.8636, -4.8140

Details

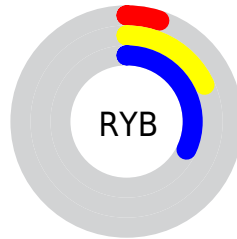
The CIELCh color **29, 18.786, 208.843** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **17, 35.265, 35.154**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 18.736, 208.507**, and **10, 11.758, 215.290** is the 20% darker color. If you saturate the color by 10%, you get **29, 19.496, 209.733**, and if you desaturate by 10%, it is **29, 17.785, 208.103**.

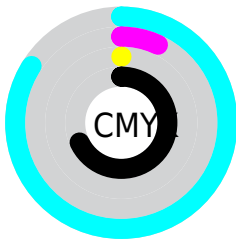
Distribution



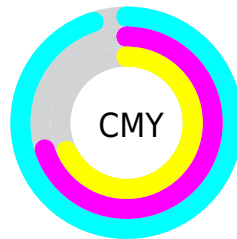
- Red (5%)
- Green (30%)
- Blue (32%)



- Red (5%)
- Yellow (18%)
- Blue (32%)



- Cyan (84%)
- Magenta (7%)
- Yellow (0%)
- Black (68%)




- Cyan (95%)
- Magenta (70%)
- Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 29, 18.786, 208.843 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 29, 18.786, 208.843 by changing the saturation by 10% instead.

 29, 18.786,
208.843

 29, 18.786,
208.843

 100, 18.786,
208.843

 19, 18.786,
208.843

 49, 18.786,
208.843

 9, 18.786, 208.843

 59, 18.786,
208.843

 0, 18.786, 208.843

 69, 18.786,
208.843

 79, 18.786,
208.843

 89, 18.786,
208.843

 99, 18.786,

208.843

■ 29, 18.786,
208.843

■ 29, 18.786,
208.843

■ 29, 19.496,
209.733

■ 29, 17.785,
208.103

■ 28, 19.894,
210.203

■ 30, 16.397,
207.566

■ 31, 14.635,
207.204

■ 31, 12.526,
206.993

■ 32, 10.107,
206.913

■ 33, 7.420, 206.944

■ 33, 4.510, 207.077

■ 34, 1.417, 207.399

■ 35, 1.818, 27.268

Harmonies

Complementary

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



29, 18.786, 208.843



17, 35.265, 35.154

Rectangle

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



29, 18.786, 208.843



29, 18.786, 258.843



29, 18.786, 28.843



29, 18.786, 78.843

Sweetspot

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



29, 18.786, 208.842



43, 9.439, 206.933



30, 45.585, 139.092



21, 6.324, 206.921



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



29, 18.786, 208.842



37, 23.922, 210.753



17, 28.351, 282.307



16, 1.767, 207.213



37, 23.523, 210.708



78, 41.967, 211.824

Inverse Universe

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



18, 43.729, 331.069



24, 57.207, 331.819



25, 30.425, 72.966



15, 3.298, 327.301



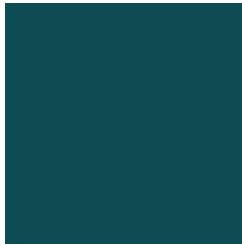
23, 56.252, 331.807



54, 100.426, 332.081

Previews

White Background



This preview shows how the CIELCh color 29, 18.786, 208.843 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 29, 18.786, 208.843 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

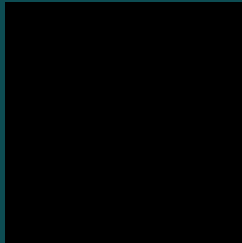
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 18.786, 208.843

Background



This preview shows how black text looks on a background with the CIELCh color 29, 18.786, 208.843.



This preview shows how white text looks on a background with the CIELCh color 29, 18.786, 208.843.

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


29, 18.786, 208.843

Protanopia

29, 5.804, 287.133

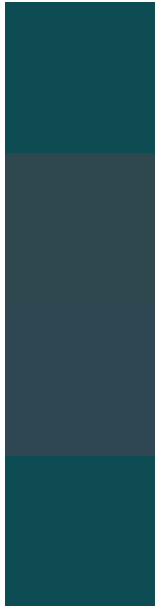
Deuteranopia

29, 10.961, 292.238



Tritanopia
29, 18.786, 208.843

Trichromacy



Original Color
29, 18.786, 208.843

Protanomaly
29, 10.335, 228.409

Deuteranomaly
28, 11.709, 244.681

Tritanomaly
29, 18.786, 208.843

Monochromacy



Original Color
29, 18.786, 208.843

Achromatopsia
24, 0.004, 296.813

Achromatomaly
25, 8.964, 210.827

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 18.786, 208.843 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(13, 76, 82)` looks like.

```
.text, #text, p{  
    color:rgb(13, 76, 82)  
}
```

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(13, 76, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 76, 82) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 18.786, 208.843 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(13, 76, 82) }
```

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

```
.border{ border-color:rgb(13, 76, 82) }
```

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

Here you see how a box with a 4 pixel rgb(13, 76, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 76, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 76, 82);  
box-shadow:4px 4px 4px 4px rgb(13, 76, 82)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 18.786, 208.843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 76, 82) }
```

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

```
.background{ background-color: rgb(13, 76,  
82) }
```

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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