

Converting Colors

CIELCh(29, 16.255, 198.612)

Have a look what the booklet for
CIELCh(29, 16.255, 198.612)
contains.

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Color

CIELCh(29, 16.086, 199.371)

Conversions

Conversions Part 1

Format	Color
Hex	1D4B4C
RGB	29, 75, 76
RGB Percent	11%, 29%, 30%
CMY	0.8857, 0.7053, 0.7014
CMYK	0.62, 0.01, 0.00, 0.70
HSL	181°, 45%, 21%
HSV	181°, 62%, 30%
XYZ	4.3457, 5.8380, 7.7602
YIQ	61.3600, -27.7370, -9.4410

Conversions

Conversions Part 2

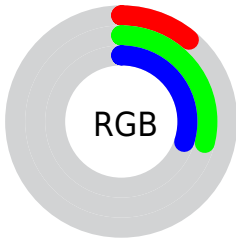
Format	Color
R_{YB}	29, 52, 76
Decimal	1919820
CIE _{Lab}	29.00, -15.18, -5.34
CIE _{LCh}	29, 16.086, 199.371
Yxy	5.8380, 0.2422, 0.3253
Android (android.graphics.Color)	4280109900 (0xFF1D4B4C)
YUV	61.3600, 7.2175, -28.3797
Hunter-Lab	24.1619, -10.1789, -2.1291

Details

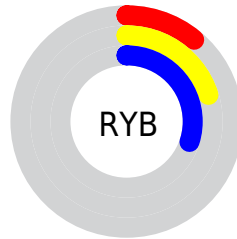
The CIELCh color **29, 16.086, 199.371** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **18, 24.473, 27.603**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 16.039, 199.859**, and **10, 11.678, 200.350** is the 20% darker color. If you saturate the color by 10%, you get **29, 17.630, 199.295**, and if you desaturate by 10%, it is **29, 14.186, 199.520**.

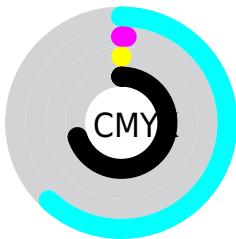
Distribution



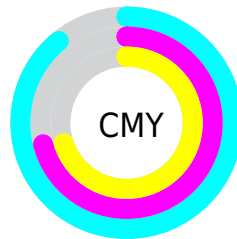
- Red (11%)
- Green (29%)
- Blue (30%)



- Red (11%)
- Yellow (20%)
- Blue (30%)



- Cyan (62%)
- Magenta (1%)
- Yellow (0%)
- Black (70%)





- Cyan (89%)
- Magenta (71%)
- Yellow (70%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 29, 16.086, 199.371 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, 16.086, 199.371 by changing the saturation by 10% instead.

 29, 16.086,
199.371


 29, 16.086,
199.371

 100, 16.086,
199.371


 19, 16.086,
199.371


 49, 16.086,
199.371


 9, 16.086, 199.371

 59, 16.086,
199.371

 0, 16.086, 199.371

 69, 16.086,
199.371

 79, 16.086,
199.371

 89, 16.086,
199.371

 99, 16.086,

199.371

■ 29, 16.086,
199.371

■ 29, 16.086,
199.371

■ 29, 17.630,
199.295

■ 29, 14.186,
199.520

■ 28, 18.805,
199.302

■ 30, 11.959,
199.742

■ 28, 19.658,
199.380

■ 30, 9.440, 200.029

■ 31, 6.671, 200.377

■ 28, 20.340,
199.440

■ 32, 3.694, 200.793

■ 32, 0.550, 201.643

■ 33, 2.721, 21.490

■ 34, 6.088, 22.025

■ 35, 9.519, 22.537

Harmonies

Complementary

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



29, 16.086, 199.371



18, 24.473, 27.603

Rectangle

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



29, 16.086, 199.371



29, 16.086, 249.371



29, 16.086, 19.371



29, 16.086, 69.371

Sweetspot

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



29, 16.086, 199.369



41, 7.325, 200.453



28, 35.063, 140.138



20, 5.059, 200.390



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



29, 16.086, 199.369



38, 21.966, 199.288



21, 17.652, 268.386



15, 1.780, 200.943



38, 24.860, 199.570



81, 44.900, 199.807

Inverse Universe

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



20, 34.648, 327.910



25, 49.149, 328.431



24, 20.375, 70.056



14, 3.265, 325.415



23, 58.051, 329.046



54, 104.933, 329.106

Previews

White Background



This preview shows how the CIE LCh color 29, 16.086, 199.371 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 29, 16.086, 199.371 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

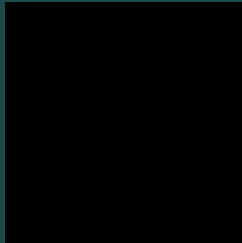
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 16.086, 199.371

Background



This preview shows how black text looks on a background with the CIELCh color 29, 16.086, 199.371.



This preview shows how white text looks on a background with the CIELCh color 29, 16.086, 199.371.

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, 16.086, 199.371

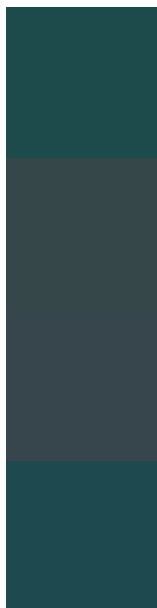
Protanopia
29, 2.579, 290.681

Deuteranopia
29, 7.959, 303.847



Tritanopia
29, 15.160, 212.266

Trichromacy



Original Color
29, 16.086, 199.371

Protanomaly
29, 7.135, 214.224

Deuteranomaly
28, 7.502, 242.564

Tritanomaly
29, 15.374, 209.490

Monochromacy



Original Color
29, 16.086, 199.371

Achromatopsia
26, 0.004, 296.813

Achromatomaly
27, 7.099, 198.280

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 16.086, 199.371 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(29, 75, 76)` looks like.

```
.text, #text, p{  
    color:rgb(29, 75, 76)  
}
```

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(29, 75, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 75, 76) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 16.086, 199.371 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(29, 75, 76) }
```

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

```
.border{ border-color:rgb(29, 75, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 75, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 75, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 75, 76);  
box-shadow:4px 4px 4px 4px rgb(29, 75, 76)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 16.086, 199.371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 75, 76) }
```

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

```
.background{ background-color: rgb(29, 75,  
76) }
```

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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