

Converting Colors

CIELCh(29, 16.713, 166.819)

Have a look what the booklet for
CIELCh(29, 16.713, 166.819)
contains.

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Color

CIELCh(29, 16.713, 166.820)

Conversions

Conversions Part 1

Format	Color
Hex	284B3E
RGB	40, 75, 62
RGB Percent	16%, 29%, 24%
CMY	0.8430, 0.7057, 0.7567
CMYK	0.47, 0.00, 0.17, 0.71
HSL	158°, 30%, 23%
HSV	158°, 47%, 29%
XYZ	4.2662, 5.8380, 5.4652
YIQ	63.0530, -16.6870, -11.4630

Conversions

Conversions Part 2

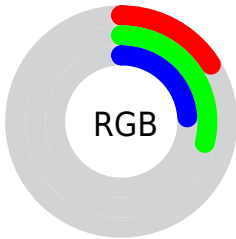
Format	Color
R_{YB}	40, 61, 75
Decimal	2640702
CIE _{Lab}	29.00, -16.27, 3.81
CIE _{LCh}	29, 16.713, 166.820
Yxy	5.8380, 0.2740, 0.3750
Android (android.graphics.Color)	4280830782 (0xFF284B3E)
YUV	63.0530, -0.5191, -20.2175
Hunter-Lab	24.1619, -10.7665, 3.5025

Details

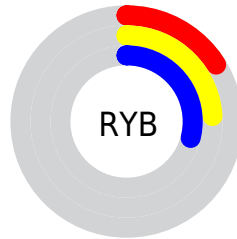
The CIELCh color **29, 16.713, 166.820** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **21, 18.348, 356.110**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 16.978, 166.323**, and **9, 15.158, 164.349** is the 20% darker color. If you saturate the color by 10%, you get **29, 19.874, 165.610**, and if you desaturate by 10%, it is **30, 13.343, 167.917**.

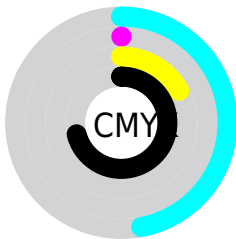
Distribution



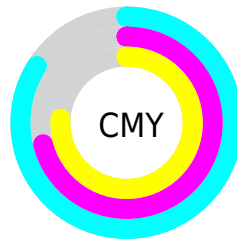
- Red (16%)
- Green (29%)
- Blue (24%)



- Red (16%)
- Yellow (24%)
- Blue (29%)



- Cyan (47%)
- Magenta (0%)
- Yellow (17%)
- Black (71%)





- Cyan (84%)
- Magenta (71%)
- Yellow (76%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 29, 16.713, 166.820 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, 16.713, 166.820 by changing the saturation by 10% instead.

 29, 16.713,
166.820


 29, 16.713,
166.820

 100, 16.713,
166.820


 19, 16.713,
166.820


 49, 16.713,
166.820


 9, 16.713, 166.820

 59, 16.713,
166.820

 0, 16.713, 166.820

 69, 16.713,
166.820

 79, 16.713,
166.820

 89, 16.713,
166.820

 99, 16.713,

166.820

■ 29, 16.713,
166.820

■ 29, 16.713,
166.820

■ 29, 19.874,
165.610

■ 30, 13.343,
167.917

■ 28, 22.778,
164.271

■ 30, 9.815, 168.922

■ 28, 25.384,
162.784

■ 31, 6.177, 169.854

■ 31, 2.474, 170.759

■ 28, 27.667,
161.134

■ 32, 1.256, 351.282

■ 27, 29.809,
159.538

■ 33, 4.981, 352.158

■ 34, 8.677, 352.878

■ 27, 30.540,
159.060

■ 35, 12.323,

353.550

■ 36, 15.907,
354.185

Harmonies

Complementary

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



29, 16.713, 166.820



21, 18.348, 356.110

Rectangle

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



29, 16.713, 166.820



29, 16.713, 216.820



29, 16.713, 346.820



29, 16.713, 36.820

Sweetspot

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



29, 16.713, 166.819



40, 6.428, 170.045



29, 24.130, 131.065



19, 4.375, 169.944



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



29, 16.713, 166.819



37, 24.200, 165.428



28, 11.853, 210.708



15, 2.111, 170.569



38, 38.415, 158.013



81, 71.668, 156.284

Inverse Universe

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



21, 18.348, 356.110



26, 27.091, 357.946



22, 16.231, 32.226



14, 2.149, 351.848



20, 43.236, 11.135



49, 79.010, 15.264

Previews

White Background



This preview shows how the CIE LCh color 29, 16.713, 166.820 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, 16.713, 166.820 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

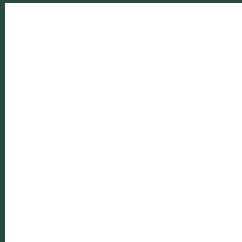
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 29, 16.713, 166.820

Background



This preview shows how black text looks on a background with the CIELCh color 29, 16.713, 166.820.



This preview shows how white text looks on a background with the CIELCh color 29, 16.713, 166.820.

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, 16.713, 166.820

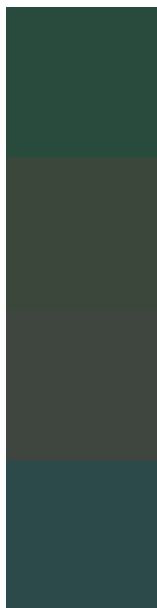
Protanopia
29, 6.675, 92.610

Deuteranopia
29, 4.774, 35.618



Tritanopia
29, 11.135, 218.400

Trichromacy



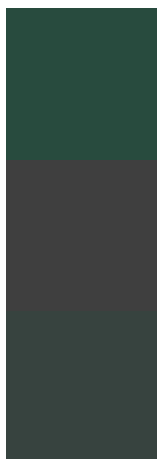
Original Color
29, 16.713, 166.820

Protanomaly
29, 9.200, 141.364

Deuteranomaly
29, 4.728, 144.021

Tritanomaly
29, 12.112, 194.510

Monochromacy



Original Color
29, 16.713, 166.820

Achromatopsia
27, 0.004, 296.813

Achromatomaly
27, 5.893, 172.246

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 16.713, 166.820 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(40, 75, 62)` looks like.

```
.text, #text, p{  
    color:rgb(40, 75, 62)  
}
```

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(40, 75, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 75, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 16.713, 166.820 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(40, 75, 62) }
```

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

```
.border{ border-color:rgb(40, 75, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 75, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 75, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 75, 62);  
box-shadow:4px 4px 4px 4px rgb(40, 75, 62)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 16.713, 166.820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 75, 62) }
```

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

```
.background{ background-color: rgb(40, 75,  
62) }
```

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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