

Converting Colors

CIELCh(29, 16.713, 216.820)

Have a look what the booklet for
CIELCh(29, 16.713, 216.820)
contains.

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Color

CIELCh(29, 16.737, 215.327)

Conversions

Conversions Part 1

Format	Color
Hex	194B53
RGB	25, 75, 83
RGB Percent	10%, 29%, 33%
CMY	0.9027, 0.7065, 0.6751
CMYK	0.70, 0.10, 0.00, 0.68
HSL	188°, 54%, 21%
HSV	188°, 70%, 32%
XYZ	4.4575, 5.8380, 9.0444
YIQ	60.9620, -32.3680, -8.1120

Conversions

Conversions Part 2

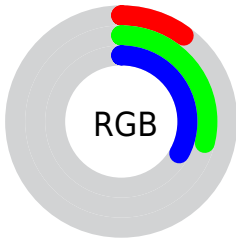
Format	Color
R_{YB}	25, 52, 83
Decimal	1657683
CIE _{Lab}	29.00, -13.66, -9.68
CIE _{LCh}	29, 16.737, 215.327
Yxy	5.8380, 0.2305, 0.3019
Android (android.graphics.Color)	4279847763 (0xFF194B53)
YUV	60.9620, 10.8647, -31.5387
Hunter-Lab	24.1619, -9.3530, -5.2803

Details

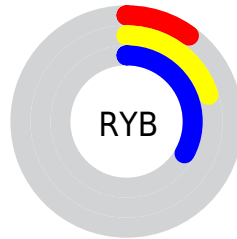
The CIELCh color **29, 16.737, 215.327** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **20, 28.215, 36.457**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 16.668, 214.339**, and **10, 11.721, 223.533** is the 20% darker color. If you saturate the color by 10%, you get **28, 17.890, 216.571**, and if you desaturate by 10%, it is **30, 15.215, 214.372**.

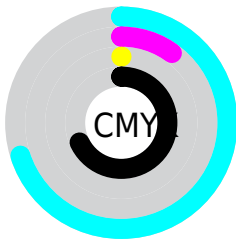
Distribution



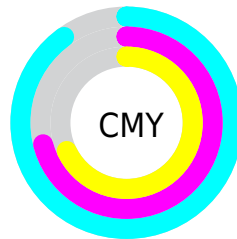
- Red (10%)
- Green (29%)
- Blue (33%)



- Red (10%)
- Yellow (20%)
- Blue (33%)



- Cyan (70%)
- Magenta (10%)
- Yellow (0%)
- Black (68%)





- Cyan (90%)
- Magenta (71%)
- Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 29, 16.737, 215.327 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, 16.737, 215.327 by changing the saturation by 10% instead.

 29, 16.737,
215.327


 29, 16.737,
215.327

 100, 16.737,
215.327


 19, 16.737,
215.327


 49, 16.737,
215.327


 9, 16.737, 215.327

 59, 16.737,
215.327

 0, 16.737, 215.327

 69, 16.737,
215.327

 79, 16.737,
215.327

 89, 16.737,
215.327

 99, 16.737,

215.327

■ 29, 16.737,
215.327

■ 29, 16.737,
215.327

■ 28, 17.890,
216.571

■ 30, 15.215,
214.372

■ 28, 18.683,
218.142

■ 30, 13.344,
213.665

■ 27, 19.394,
219.715

■ 31, 11.154,
213.166

■ 32, 8.685, 212.839

■ 33, 5.978, 212.659

■ 34, 3.075, 212.621

■ 35, 0.015, 232.344

■ 36, 3.170, 32.515

■ 38, 6.448, 32.693

Harmonies

Complementary

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



29, 16.737, 215.327



20, 28.215, 36.457

Rectangle

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



29, 16.737, 215.327



29, 16.737, 265.327



29, 16.737, 35.327



29, 16.737, 85.327

Sweetspot

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



29, 16.737, 215.326



43, 7.706, 212.679



31, 38.767, 142.162



21, 5.132, 212.700



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, 16.737, 215.326



37, 22.076, 217.609



19, 25.492, 281.794



16, 1.695, 212.632



35, 22.759, 220.544



74, 40.683, 222.476

Inverse Universe

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



20, 37.878, 332.353



25, 51.650, 333.298



28, 26.099, 79.591



15, 3.183, 328.887



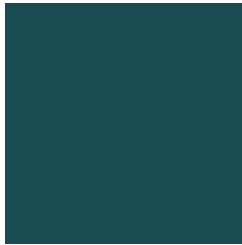
23, 54.166, 334.228



53, 96.455, 334.711

Previews

White Background



This preview shows how the CIE LCh color 29, 16.737, 215.327 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, 16.737, 215.327 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

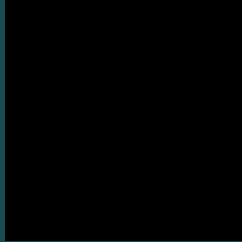
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 16.737, 215.327

Background



This preview shows how black text looks on a background with the CIELCh color 29, 16.737, 215.327.



This preview shows how white text looks on a background with the CIELCh color 29, 16.737, 215.327.

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, 16.737, 215.327

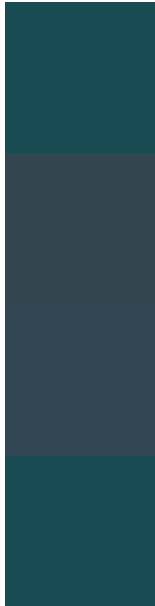
Protanopia
29, 6.478, 284.022

Deuteranopia
29, 11.604, 290.390



Tritanopia
29, 16.871, 210.485

Trichromacy



Original Color
29, 16.737, 215.327

Protanomaly
29, 9.587, 241.177

Deuteranomaly
29, 11.281, 252.321

Tritanomaly
29, 16.884, 212.796

Monochromacy



Original Color
29, 16.737, 215.327

Achromatopsia
26, 0.004, 296.813

Achromatomaly
27, 7.542, 213.438

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 16.737, 215.327 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(25, 75, 83)` looks like.

```
.text, #text, p{  
    color:rgb(25, 75, 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(25, 75, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 75, 83) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 16.737, 215.327 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(25, 75, 83) }
```

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

```
.border{ border-color:rgb(25, 75, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 75, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 75, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 75, 83);  
box-shadow:4px 4px 4px 4px rgb(25, 75, 83)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 16.737, 215.327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 75, 83) }
```

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

```
.background{ background-color: rgb(25, 75,  
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](#).

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