

Converting Colors

CIELCh(29, 15.984, 197.069)

Have a look what the booklet for
CIELCh(29, 15.984, 197.069)
contains.

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Color

CIELCh(29, 15.968, 197.050)

Conversions

Conversions Part 1

Format	Color
Hex	1E4B4B
RGB	30, 75, 75
RGB Percent	12%, 29%, 29%
CMY	0.8818, 0.7054, 0.7054
CMYK	0.60, 0.00, 0.00, 0.71
HSL	180°, 43%, 21%
HSV	180°, 60%, 29%
XYZ	4.3391, 5.8380, 7.5782
YIQ	61.5450, -26.8200, -9.5400

Conversions

Conversions Part 2

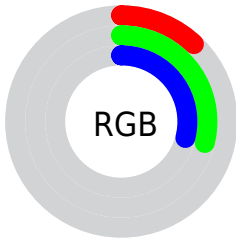
Format	Color
R_{YB}	30, 53, 75
Decimal	1985355
CIE _{Lab}	29.00, -15.27, -4.68
CIE _{LCh}	29, 15.968, 197.050
Yxy	5.8380, 0.2444, 0.3288
Android (android.graphics.Color)	4280175435 (0xFF1E4B4B)
YUV	61.5450, 6.6333, -27.6650
Hunter-Lab	24.1619, -10.2278, -1.6824




Details

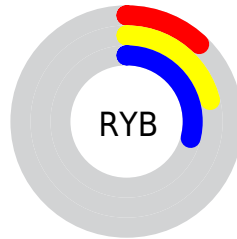
The CIELCh color **29, 15.968, 197.050** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **18, 23.751, 25.965**, and the grayscale version is **26, 0.004, 296.813**.




A 20% lighter version of the original color is **49, 15.806, 197.755**, and **10, 11.810, 196.647** is the 20% darker color. If you saturate the color by 10%, you get **29, 17.615, 196.814**, and if you desaturate by 10%, it is **29, 13.972, 197.336**.

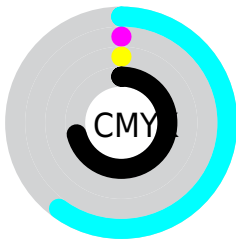
Distribution







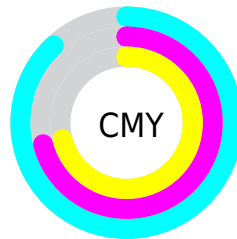
-  Red (12%)
-  Green (29%)
-  Blue (29%)






-  Red (12%)
-  Yellow (21%)
-  Blue (29%)



-  Cyan (60%)
-  Magenta (0%)
-  Yellow (0%)
-  Black (71%)





-  Cyan (88%)
-  Magenta (71%)
-  Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 29, 15.968, 197.050 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, 15.968, 197.050 by changing the saturation by 10% instead.

 29, 15.968,
197.050


 29, 15.968,
197.050

 100, 15.968,
197.050


 19, 15.968,
197.050


 49, 15.968,
197.050


 9, 15.968, 197.050

 59, 15.968,
197.050

 0, 15.968, 197.050

 69, 15.968,
197.050

 79, 15.968,
197.050

 89, 15.968,
197.050

 99, 15.968,

197.050

■ 29, 15.968,
197.050

■ 29, 15.968,
197.050

■ 29, 17.615,
196.814

■ 29, 13.972,
197.336

■ 29, 18.898,
196.633

■ 30, 11.654,
197.675

■ 28, 19.835,
196.502

■ 30, 9.053, 198.064

■ 28, 20.704,
196.381

■ 31, 6.208, 198.501

■ 31, 3.163, 199.004

■ 28, 20.715,
196.380

■ 32, 0.041, 12.659

■ 33, 3.365, 19.842

■ 33, 6.777, 20.418

■ 34, 10.247, 20.981

Harmonies

Complementary

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



29, 15.968, 197.050



18, 23.751, 25.965

Rectangle

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



29, 15.968, 197.050



29, 15.968, 247.050



29, 15.968, 17.050



29, 15.968, 67.050

Sweetspot

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



29, 15.968, 197.048



40, 6.963, 198.558



28, 33.989, 139.620



19, 4.752, 198.484



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, 15.968, 197.048



37, 21.760, 196.721



21, 16.239, 264.130



15, 1.819, 199.073



39, 25.574, 196.380



83, 46.279, 196.379

Inverse Universe

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



18, 23.751, 25.965



22, 36.187, 29.539



24, 19.338, 67.020



14, 1.910, 19.796



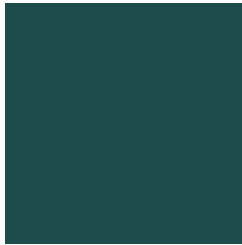
19, 50.502, 35.958



48, 96.565, 39.999

Previews

White Background



This preview shows how the CIELCh color 29, 15.968, 197.050 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, 15.968, 197.050 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

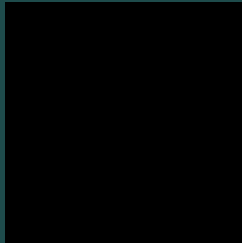
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 15.968, 197.050

Background



This preview shows how black text looks on a background with the CIELCh color 29, 15.968, 197.050.



This preview shows how white text looks on a background with the CIELCh color 29, 15.968, 197.050.

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, 15.968, 197.050

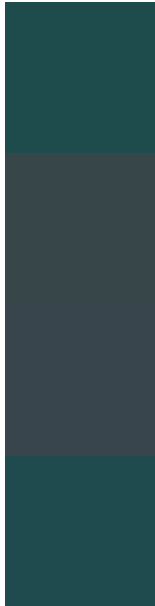
Protanopia
29, 1.989, 303.237

Deuteranopia
29, 7.444, 308.074



Tritanopia
29, 14.926, 212.535

Trichromacy



Original Color
29, 15.968, 197.050

Protanomaly
29, 6.676, 209.633

Deuteranomaly
28, 6.832, 240.446

Tritanomaly
29, 15.150, 207.156

Monochromacy



Original Color
29, 15.968, 197.050

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, 15.968, 197.050 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(30, 75, 75)` looks like.

```
.text, #text, p{  
    color:rgb(30, 75, 75)  
}
```

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(30, 75, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 75, 75) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 15.968, 197.050 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(30, 75, 75) }
```

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

```
.border{ border-color:rgb(30, 75, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 75, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 75, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 75, 75);  
box-shadow:4px 4px 4px 4px rgb(30, 75, 75)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 15.968, 197.050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 75, 75) }
```

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

```
.background{ background-color: rgb(30, 75,  
75) }
```

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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