

Converting Colors

CIELCh(29, 15.086, 197.204)

Have a look what the booklet for
CIELCh(29, 15.086, 197.204)
contains.

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Color

CIELCh(29, 15.212, 197.159)

Conversions

Conversions Part 1

Format	Color
Hex	214B4B
RGB	33, 75, 75
RGB Percent	13%, 29%, 29%
CMY	0.8712, 0.7065, 0.7065
CMYK	0.56, 0.00, 0.00, 0.71
HSL	180°, 39%, 21%
HSV	180°, 56%, 29%
XYZ	4.3926, 5.8380, 7.5247
YIQ	62.4420, -25.0320, -8.9040

Conversions

Conversions Part 2

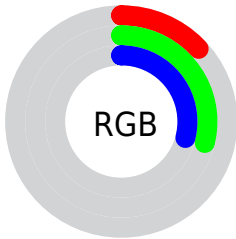
Format	Color
R_YB	33, 54, 75
Decimal	2181963
CIE _{Lab}	29.00, -14.53, -4.49
CIE _{LCh}	29, 15.212, 197.159
Yxy	5.8380, 0.2474, 0.3288
Android (android.graphics.Color)	4280372043 (0xFF214B4B)
YUV	62.4420, 6.1911, -25.8206
Hunter-Lab	24.1619, -9.8327, -1.5512

Details

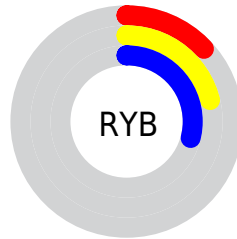
The CIELCh color **29, 15.212, 197.159** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **19, 21.993, 25.221**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 15.185, 197.820**, and **10, 11.810, 196.647** is the 20% darker color. If you saturate the color by 10%, you get **29, 16.988, 196.903**, and if you desaturate by 10%, it is **29, 13.097, 197.464**.

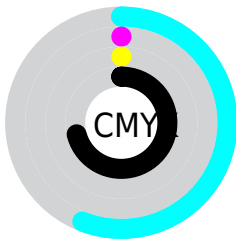
Distribution



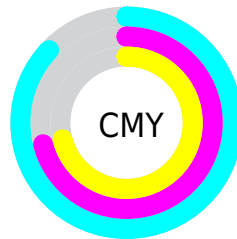
- Red (13%)
- Green (29%)
- Blue (29%)



- Red (13%)
- Yellow (21%)
- Blue (29%)



- Cyan (56%)
- Magenta (0%)
- Yellow (0%)
- Black (71%)





- Cyan (87%)
- Magenta (71%)
- Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 29, 15.212, 197.159 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, 15.212, 197.159 by changing the saturation by 10% instead.

 29, 15.212,
197.159


 29, 15.212,
197.159


 100, 15.212,
197.159


 19, 15.212,
197.159


 49, 15.212,
197.159


 9, 15.212, 197.159

 59, 15.212,
197.159

 0, 15.212, 197.159

 69, 15.212,
197.159

 79, 15.212,
197.159

 89, 15.212,
197.159

 99, 15.212,

197.159

■ 29, 15.212,
197.159

■ 29, 15.212,
197.159

■ 29, 16.988,
196.903

■ 29, 13.097,
197.464

■ 28, 18.406,
196.702

■ 30, 10.675,
197.822

■ 28, 19.458,
196.555

■ 30, 7.986, 198.228

■ 28, 20.321,
196.435

■ 31, 5.070, 198.685

■ 31, 1.970, 199.242

■ 28, 20.661,
196.388

■ 32, 1.273, 19.389

■ 33, 4.623, 20.068

■ 34, 8.049, 20.633

■ 34, 11.524, 21.196

Harmonies

Complementary

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



29, 15.212, 197.159



19, 21.993, 25.221

Rectangle

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



29, 15.212, 197.159



29, 15.212, 247.159



29, 15.212, 17.159



29, 15.212, 67.159

Sweetspot

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



29, 15.212, 197.157



40, 6.594, 198.613



28, 32.122, 140.309



19, 4.342, 198.575



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, 15.212, 197.157



37, 20.904, 196.829



22, 15.548, 265.030



15, 1.819, 199.078



39, 25.572, 196.388



83, 46.277, 196.388

Inverse Universe

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



20, 31.943, 327.057



25, 45.505, 327.530



24, 18.002, 69.103



14, 3.312, 324.844



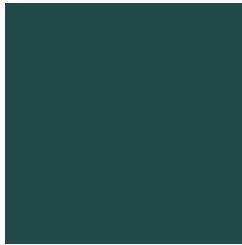
23, 58.971, 328.233



54, 106.716, 328.233

Previews

White Background



This preview shows how the CIE LCh color 29, 15.212, 197.159 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, 15.212, 197.159 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

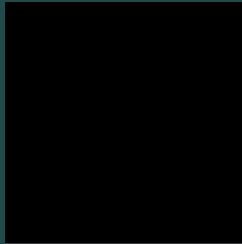
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 15.212, 197.159

Background



This preview shows how black text looks on a background with the CIELCh color 29, 15.212, 197.159.



This preview shows how white text looks on a background with the CIELCh color 29, 15.212, 197.159.

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, 15.212, 197.159

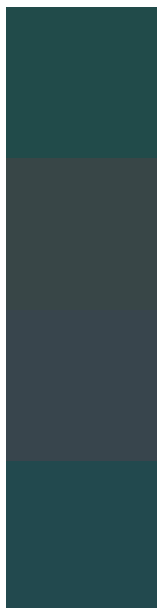
Protanopia
29, 1.989, 303.237

Deuteranopia
29, 7.444, 308.074



Tritanopia
29, 14.192, 213.434

Trichromacy



Original Color
29, 15.212, 197.159

Protanomaly
29, 5.926, 211.199

Deuteranomaly
29, 6.550, 242.707

Tritanomaly
29, 14.404, 207.774

Monochromacy



Original Color
29, 15.212, 197.159

Achromatopsia
26, 0.004, 296.813

Achromatomaly
27, 6.711, 198.344

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 15.212, 197.159 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(33, 75, 75)` looks like.

```
.text, #text, p{  
  color:rgb(33, 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(33, 75, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 75, 75) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 15.212, 197.159 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(33, 75, 75) }
```

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

```
.border{ border-color:rgb(33, 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(33, 75, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 75, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 75, 75);  
box-shadow:4px 4px 4px 4px rgb(33, 75, 75)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 15.212, 197.159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 75, 75) }
```

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

```
.background{ background-color: rgb(33, 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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