

Converting Colors

CIELCh(27, 30.405, 207.600)

Have a look what the booklet for
CIELCh(27, 30.405, 207.600)
contains.

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Color

CIELCh(29, 19.941, 215.946)

Conversions

Conversions Part 1

Format	Color
Hex	024C56
RGB	2, 76, 86
RGB Percent	1%, 30%, 34%
CMY	0.9936, 0.7023, 0.6630
CMYK	0.98, 0.12, 0.00, 0.66
HSL	187°, 96%, 17%
HSV	187°, 98%, 34%
XYZ	4.2755, 5.8380, 9.6896
YIQ	55.0140, -47.3140, -12.5780

Conversions

Conversions Part 2

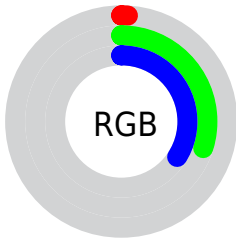
Format	Color
RYB	2, 41, 86
Decimal	150614
CIELab	29.00, -16.14, -11.71
CIELCh	29, 19.941, 215.946
Yxy	5.8380, 0.2159, 0.2948
Android (android.graphics.Color)	4278340694 (0xFF024C56)
YUV	55.0140, 15.2761, -46.4933
Hunter-Lab	24.1619, -10.6977, -6.8637

Details

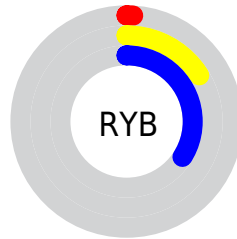
The CIELCh color **29, 19.941, 215.946** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **17, 41.046, 37.323**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 19.956, 216.657**, and **11, 12.245, 230.313** is the 20% darker color. If you saturate the color by 10%, you get **29, 20.074, 216.194**, and if you desaturate by 10%, it is **30, 19.263, 214.569**.

Distribution



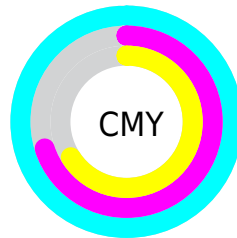
- Red (1%)
- Green (30%)
- Blue (34%)



- Red (1%)
- Yellow (16%)
- Blue (34%)



- Cyan (98%)
- Magenta (12%)
- Yellow (0%)
- Black (66%)





- Cyan (99%)
- Magenta (70%)
- Yellow (66%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 29, 19.941, 215.946 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, 19.941, 215.946 by changing the saturation by 10% instead.

 29, 19.941,
215.946


 29, 19.941,
215.946

 100, 19.941,
215.946


 19, 19.941,
215.946


 49, 19.941,
215.946


 9, 19.941, 215.946

 59, 19.941,
215.946

 0, 19.941, 215.946

 69, 19.941,
215.946

 79, 19.941,
215.946

 89, 19.941,
215.946

 99, 19.941,

215.946

■ 29, 19.941,
215.946

■ 29, 19.941,
215.946

■ 29, 20.074,
216.194

■ 30, 19.263,
214.569

■ 30, 18.405,
213.301

■ 31, 17.153,
212.321

■ 31, 15.512,
211.590

■ 32, 13.506,
211.072

■ 33, 11.169,
210.733

■ 34, 8.543, 210.544

■ 35, 5.674, 210.484

■ 36, 2.604, 210.566

Harmonies

Complementary

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



29, 19.941, 215.946



17, 41.046, 37.323

Rectangle

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



29, 19.941, 215.946



29, 19.941, 265.946



29, 19.941, 35.946



29, 19.941, 85.946

Sweetspot

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



29, 19.940, 215.945



44, 10.919, 210.569



31, 50.911, 138.338



21, 7.344, 210.611



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



29, 19.940, 215.945



38, 24.138, 216.961



15, 36.703, 289.689



17, 1.810, 210.553



36, 23.363, 216.838



76, 41.351, 218.410

Inverse Universe

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



18, 47.562, 333.062



25, 57.708, 333.341



26, 36.004, 73.563



16, 3.396, 328.289



23, 55.861, 333.311



54, 98.717, 333.699

Previews

White Background



This preview shows how the CIE LCh color 29, 19.941, 215.946 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, 19.941, 215.946 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

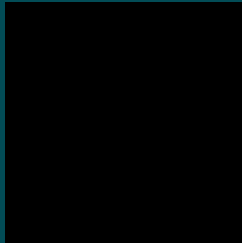
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 19.941, 215.946

Background



This preview shows how black text looks on a background with the CIELCh color 29, 19.941, 215.946.



This preview shows how white text looks on a background with the CIELCh color 29, 19.941, 215.946.

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, 19.920, 215.943

Protanopia

29, 8.392, 286.166

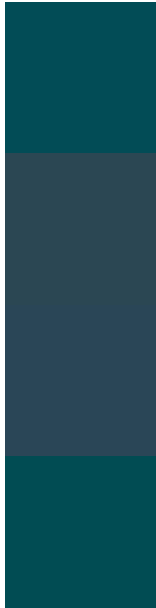
Deuteranopia

29, 13.538, 289.406



Tritanopia
29, 20.172, 207.830

Trichromacy



Original Color
29, 19.920, 215.943

Protanomaly
28, 12.505, 236.809

Deuteranomaly
28, 14.367, 248.802

Tritanomaly
29, 20.021, 209.880

Monochromacy



Original Color
29, 19.920, 215.943

Achromatopsia
23, 0.004, 296.813

Achromatomaly
25, 10.618, 208.574

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 19.941, 215.946 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(2, 76, 86)` looks like.

```
.text, #text, p{  
    color:rgb(2, 76, 86)  
}
```

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(2, 76, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 76, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 19.941, 215.946 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(2, 76, 86) }
```

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

```
.border{ border-color:rgb(2, 76, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 76, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 76, 86); -webkit-box-shadow:4px  
4px 4px 4px rgb(2, 76, 86); box-shadow:4px  
4px 4px 4px rgb(2, 76, 86) }
```

Background

The CSS property to change the background color of an element to CIELCh 29, 19.941, 215.946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 76, 86) }
```

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

```
.background{ background-color: rgb(2, 76,  
86) }
```

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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