

Converting Colors

CIELCh(30, 21.406, 196.548)

Have a look what the booklet for
CIELCh(30, 21.406, 196.548)
contains.

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Color

CIELCh(30, 21.156, 198.197)

Conversions

Conversions Part 1

Format	Color
Hex	024F50
RGB	2, 79, 80
RGB Percent	1%, 31%, 31%
CMY	0.9937, 0.6889, 0.6849
CMYK	0.98, 0.01, 0.00, 0.68
HSL	181°, 96%, 16%
HSV	181°, 98%, 32%
XYZ	4.3012, 6.2359, 8.6319
YIQ	56.0910, -46.2130, -16.0130

Conversions

Conversions Part 2

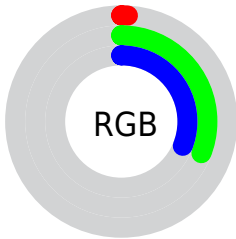
Format	Color
R_YB	2, 41, 80
Decimal	151376
CIE Lab	30.00, -20.10, -6.61
CIE LCh	30, 21.156, 198.197
Yxy	6.2359, 0.2244, 0.3253
Android (android.graphics.Color)	4278341456 (0xFF024F50)
YUV	56.0910, 11.7871, -47.4378
Hunter-Lab	24.9718, -12.9554, -3.0144

Details

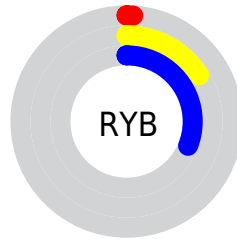
The CIELCh color **30, 21.156, 198.197** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **14, 40.089, 32.610**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 21.133, 197.267**, and **11, 12.310, 203.449** is the 20% darker color. If you saturate the color by 10%, you get **30, 21.321, 198.196**, and if you desaturate by 10%, it is **30, 20.339, 198.188**.

Distribution



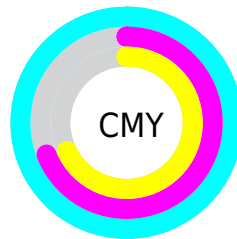
- Red (1%)
- Green (31%)
- Blue (31%)



- Red (1%)
- Yellow (16%)
- Blue (31%)



- Cyan (98%)
- Magenta (1%)
- Yellow (0%)
- Black (68%)





- Cyan (99%)
- Magenta (69%)
- Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 21.156, 198.197 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 30, 21.156, 198.197 by changing the saturation by 10% instead.


 30, 21.156,
198.197


 30, 21.156,
198.197

 100, 21.156,
198.197


 20, 21.156,
198.197


 50, 21.156,
198.197


 10, 21.156,
198.197

 60, 21.156,
198.197

 0, 21.156, 198.197

 70, 21.156,
198.197

 80, 21.156,
198.197

 90, 21.156,
198.197

■ 30, 21.156,
198.197

■ 30, 21.156,
198.197

■ 30, 21.321,
198.196

■ 30, 20.339,
198.188

■ 30, 19.360,
198.206

■ 31, 17.991,
198.296

■ 31, 16.235,
198.455

■ 31, 14.111,
198.682

■ 32, 11.651,
198.971

■ 32, 8.897, 199.319

■ 33, 5.893, 199.723

Harmonies

Complementary

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



30, 21.156, 198.197



14, 40.089, 32.610

Rectangle

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



30, 21.156, 198.197



30, 21.156, 248.197



30, 21.156, 18.197



30, 21.156, 68.197

Sweetspot

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



30, 21.156, 198.196



42, 11.379, 199.243



29, 51.126, 136.220



21, 7.802, 199.152



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



30, 21.156, 198.196



39, 25.581, 198.262



16, 28.101, 279.008



16, 1.896, 200.169



83, 45.821, 198.395

Inverse Universe

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



17, 48.985, 328.654



24, 59.446, 328.714



21, 33.665, 62.798



15, 3.470, 325.189



55, 106.536, 328.748

Previews

White Background



This preview shows how the CIE LCh color 30, 21.156, 198.197 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 30, 21.156, 198.197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

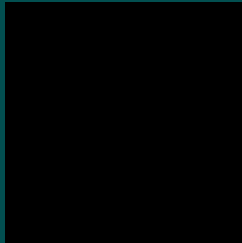
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 21.156, 198.197

Background



This preview shows how black text looks on a background with the CIELCh color 30, 21.156, 198.197.



This preview shows how white text looks on a background with the CIELCh color 30, 21.156, 198.197.

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

30, 21.048, 198.221

Protanopia

30, 3.241, 298.408

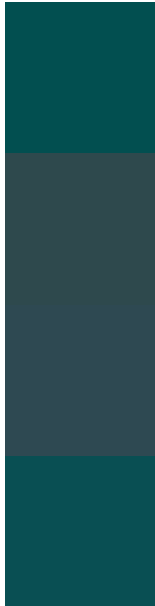
Deuteranopia

30, 9.087, 299.658



Tritanopia
30, 19.399, 208.360

Trichromacy



Original Color
30, 21.048, 198.221

Protanomaly
29, 10.629, 212.048

Deuteranomaly
29, 11.405, 228.849

Tritanomaly
30, 19.950, 204.136

Monochromacy



Original Color
30, 21.048, 198.221

Achromatopsia
24, 0.004, 296.813

Achromatomaly
25, 10.982, 201.089

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 21.156, 198.197 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, 79, 80)` looks like.

```
.text, #text, p{  
    color:rgb(2, 79, 80)  
}
```

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, 79, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 79, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 21.156, 198.197 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, 79, 80) }
```

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

```
.border{ border-color:rgb(2, 79, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 79, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 79, 80); -webkit-box-shadow:4px  
4px 4px 4px rgb(2, 79, 80); box-shadow:4px  
4px 4px 4px rgb(2, 79, 80) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 21.156, 198.197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 79, 80) }
```

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

```
.background{ background-color: rgb(2, 79,  
80) }
```

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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