

Converting Colors

CIELCh(31, 29.238, 166.932)

Have a look what the booklet for
CIELCh(31, 29.238, 166.932)
contains.

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Color

CIELCh(31, 29.234, 166.851)

Conversions

Conversions Part 1

Format	Color
Hex	00543E
RGB	0, 84, 62
RGB Percent	0%, 33%, 24%
CMY	1.0000, 0.6714, 0.7576
CMYK	1.00, 0.00, 0.26, 0.67
HSL	164°, 100%, 16%
HSV	164°, 100%, 33%
XYZ	4.0139, 6.6515, 5.6016
YIQ	56.3760, -43.0020, -24.6500

Conversions

Conversions Part 2

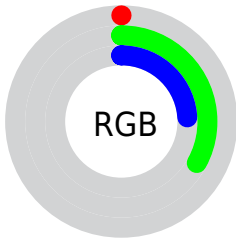
Format	Color
RYB	0, 48, 84
Decimal	21566
CIELab	31.00, -28.47, 6.65
CIELCh	31, 29.234, 166.851
Yxy	6.6515, 0.2468, 0.4089
Android (android.graphics.Color)	4278211646 (0xFF00543E)
YUV	56.3760, 2.7726, -49.4418
Hunter-Lab	25.7905, -17.3527, 5.1758

Details

The CIELCh color **31, 29.234, 166.851** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **15, 38.676, 19.259**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 28.881, 167.536**, and **12, 20.721, 156.630** is the 20% darker color. If you saturate the color by 10%, you get **31, 29.198, 166.818**, and if you desaturate by 10%, it is **31, 27.422, 168.318**.

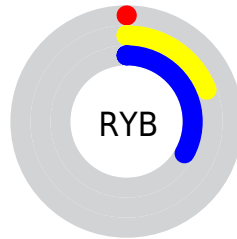
Distribution



Red (0%)

Green (33%)

Blue (24%)



Red (0%)

Yellow (19%)

Blue (33%)

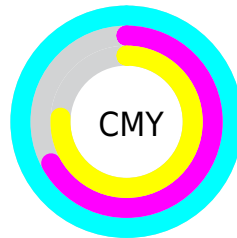


Cyan (100%)

Magenta (0%)

Yellow (26%)

Black (67%)



Cyan (100%)


Magenta (67%)


Yellow (76%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 29.234, 166.851 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 31, 29.234, 166.851 by changing the saturation by 10% instead.


 31, 29.234,
166.851


 31, 29.234,
166.851

 100, 29.234,
166.851


 21, 29.234,
166.851

 51, 29.234,
166.851


 11, 29.234,
166.851


 61, 29.234,
166.851

 1, 29.234, 166.851

 71, 29.234,
166.851

 0, 29.234, 166.851

 81, 29.234,
166.851

 91, 29.234,
166.851

■ 31, 29.234,
166.851

■ 31, 29.234,
166.851

■ 31, 29.198,
166.818

■ 31, 27.422,
168.318

■ 31, 25.560,
169.912

■ 32, 23.331,
171.360

■ 32, 20.739,
172.672

■ 32, 17.817,
173.867

■ 33, 14.611,
174.964

■ 33, 11.174,
175.980

■ 34, 7.559, 176.932

Harmonies

Complementary

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



31, 29.234, 166.851



15, 38.676, 19.259

Rectangle

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



31, 29.234, 166.851



31, 29.234, 216.851



31, 29.234, 346.851



31, 29.234, 36.851

Sweetspot

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



31, 29.198, 166.818



44, 13.927, 175.876



31, 51.074, 132.689



22, 9.534, 175.620



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



31, 29.198, 166.818



41, 35.609, 166.052



25, 19.732, 238.835



16, 2.090, 177.973



39, 34.369, 166.175



82, 63.014, 164.652

Inverse Universe

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



15, 38.676, 19.259



22, 47.172, 21.436



17, 38.885, 42.339



15, 2.145, 359.292



20, 45.524, 21.087



49, 83.790, 25.335

Previews

White Background



This preview shows how the CIELCh color 31, 29.234, 166.851 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 31, 29.234, 166.851 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 31, 29.234, 166.851

Background



This preview shows how black text looks on a background with the CIELCh color 31, 29.234, 166.851.



This preview shows how white text looks on a background with the CIELCh color 31, 29.234, 166.851.

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

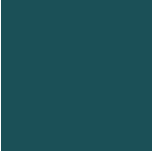
31, 29.234, 166.851

Protanopia

31, 10.392, 95.102

Deuteranopia

31, 6.758, 54.144



Tritanopia
31, 17.469, 212.095

Trichromacy



Original Color
31, 29.234, 166.851

Protanomaly
30, 16.481, 153.014

Deuteranomaly
30, 12.593, 160.048

Tritanomaly
31, 20.442, 191.100

Monochromacy



Original Color
31, 29.234, 166.851

Achromatopsia
24, 0.004, 296.813

Achromatomaly
25, 13.539, 174.244

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 29.234, 166.851 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(0, 84, 62)` looks like.

```
.text, #text, p{  
    color:rgb(0, 84, 62)  
}
```

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(0, 84, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 84, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 29.234, 166.851 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(0, 84, 62) }
```

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

```
.border{ border-color:rgb(0, 84, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 84, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 84, 62); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 84, 62); box-shadow:4px  
4px 4px 4px rgb(0, 84, 62) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 29.234, 166.851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 84, 62) }
```

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

```
.background{ background-color: rgb(0, 84,  
62) }
```

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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