

Converting Colors

CIELCh(29, 20.560, 201.258)

Have a look what the booklet for
CIELCh(29, 20.560, 201.258)
contains.

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Color

CIELCh(29, 20.747, 200.068)

Conversions

Conversions Part 1

Format	Color
Hex	004D4F
RGB	0, 77, 79
RGB Percent	0%, 30%, 31%
CMY	1.0000, 0.6988, 0.6910
CMYK	1.00, 0.03, 0.00, 0.69
HSL	182°, 100%, 15%
HSV	182°, 100%, 31%
XYZ	4.0388, 5.8380, 8.2718
YIQ	54.2050, -46.5340, -15.7020

Conversions

Conversions Part 2

Format	Color
RYB	0, 39, 79
Decimal	19791
CIELab	29.00, -19.49, -7.12
CIELCh	29, 20.747, 200.068
Yxy	5.8380, 0.2225, 0.3217
Android (android.graphics.Color)	4278209871 (0xFF004D4F)
YUV	54.2050, 12.2239, -47.5378
Hunter-Lab	24.1619, -12.4462, -3.3845

Details

The CIELCh color **29, 20.747, 200.068** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **14, 39.797, 32.798**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 20.674, 200.592**, and **11, 12.100, 203.603** is the 20% darker color. If you saturate the color by 10%, you get **29, 20.709, 200.079**, and if you desaturate by 10%, it is **29, 19.908, 199.953**.

Distribution



- Red (0%)
- Green (30%)
- Blue (31%)



- Red (0%)
- Yellow (15%)
- Blue (31%)



- Cyan (100%)
- Magenta (3%)
- Yellow (0%)
- Black (69%)





- Cyan (100%)
- Magenta (70%)
- Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 29, 20.747, 200.068 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, 20.747, 200.068 by changing the saturation by 10% instead.

 29, 20.747,
200.068


 29, 20.747,
200.068

 100, 20.747,
200.068


 19, 20.747,
200.068


 49, 20.747,
200.068


 9, 20.747, 200.068

 59, 20.747,
200.068

 0, 20.747, 200.068

 69, 20.747,
200.068

 79, 20.747,
200.068

 89, 20.747,
200.068

 99, 20.747,

200.068

■ 29, 20.747,
200.068

■ 29, 20.747,
200.068

■ 29, 20.709,
200.079

■ 29, 19.908,
199.953

■ 29, 19.024,
199.834

■ 30, 17.774,
199.802

■ 30, 16.143,
199.858

■ 30, 14.149,
199.994

■ 31, 11.821,
200.206

■ 31, 9.199, 200.485

■ 32, 6.326, 200.828

■ 33, 3.245, 201.248

Harmonies

Complementary

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



29, 20.747, 200.068



14, 39.797, 32.798

Rectangle

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



29, 20.747, 200.068



29, 20.747, 250.068



29, 20.747, 20.068



29, 20.747, 70.068

Sweetspot

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



29, 20.709, 200.079



41, 11.347, 200.452



28, 50.685, 136.373



20, 7.586, 200.387



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



29, 20.709, 200.079



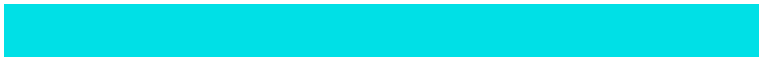
38, 24.729, 200.215



15, 29.125, 281.168



15, 1.773, 201.317



81, 44.647, 200.502

Inverse Universe

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



16, 48.443, 329.175



23, 57.873, 329.209



21, 33.557, 63.987



14, 3.256, 325.529



54, 104.588, 329.282

Previews

White Background



This preview shows how the CIELCh color 29, 20.747, 200.068 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, 20.747, 200.068 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

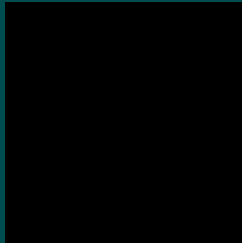
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 20.747, 200.068

Background



This preview shows how black text looks on a background with the CIELCh color 29, 20.747, 200.068.



This preview shows how white text looks on a background with the CIELCh color 29, 20.747, 200.068.

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, 20.747, 200.068

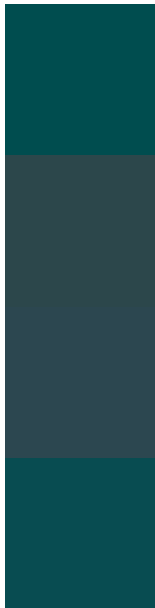
Protanopia
29, 3.257, 298.418

Deuteranopia
29, 9.080, 297.089



Tritanopia
29, 18.904, 208.752

Trichromacy



Original Color
29, 20.747, 200.068

Protanomaly
28, 10.638, 212.080

Deuteranomaly
28, 11.414, 228.969

Tritanomaly
29, 19.383, 206.398

Monochromacy



Original Color
29, 20.747, 200.068

Achromatopsia
23, 0.004, 296.813

Achromatomaly
24, 10.986, 201.069

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 20.747, 200.068 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, 77, 79)` looks like.

```
.text, #text, p{  
    color:rgb(0, 77, 79)  
}
```

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, 77, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 77, 79) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 20.747, 200.068 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, 77, 79) }
```

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

```
.border{ border-color:rgb(0, 77, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 77, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 77, 79); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 77, 79); box-shadow:4px  
4px 4px 4px rgb(0, 77, 79) }
```

Background

The CSS property to change the background color of an element to CIELCh 29, 20.747, 200.068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 77, 79) }
```

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

```
.background{ background-color: rgb(0, 77,  
79) }
```

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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