

Converting Colors

CIELCh(29, 20.620, 196.434)

Have a look what the booklet for
CIELCh(29, 20.620, 196.434)
contains.

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Color

CIELCh(29, 20.610, 196.448)

Conversions

Conversions Part 1

Format	Color
Hex	044D4D
RGB	4, 77, 77
RGB Percent	2%, 30%, 30%
CMY	0.9856, 0.6988, 0.6988
CMYK	0.95, 0.00, 0.00, 0.70
HSL	180°, 91%, 16%
HSV	180°, 95%, 30%
XYZ	4.0194, 5.8380, 7.9015
YIQ	55.1730, -43.5080, -15.4760

Conversions

Conversions Part 2

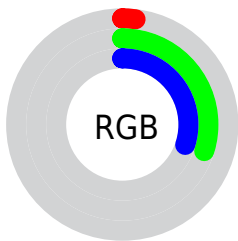
Format	Color
RYB	4, 41, 77
Decimal	281933
CIELab	29.00, -19.77, -5.84
CIELCh	29, 20.610, 196.448
Yxy	5.8380, 0.2263, 0.3287
Android (android.graphics.Color)	4278472013 (0xFF044D4D)
YUV	55.1730, 10.7607, -44.8787
Hunter-Lab	24.1619, -12.5892, -2.4758

Details

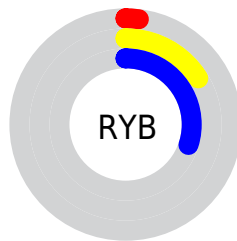
The CIELCh color **29, 20.610, 196.448** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **14, 37.861, 31.294**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 20.347, 197.310**, and **11, 12.408, 196.398** is the 20% darker color. If you saturate the color by 10%, you get **29, 21.025, 196.390**, and if you desaturate by 10%, it is **29, 19.750, 196.564**.

Distribution



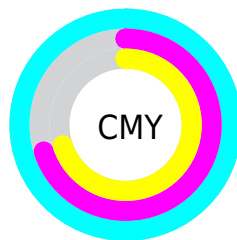
- Red (2%)
- Green (30%)
- Blue (30%)



- Red (2%)
- Yellow (16%)
- Blue (30%)



- Cyan (95%)
- Magenta (0%)
- Yellow (0%)
- Black (70%)



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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 29, 20.610, 196.448 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, 20.610, 196.448 by changing the saturation by 10% instead.

 29, 20.610,
196.448

 29, 20.610,
196.448

 100, 20.610,
196.448

 19, 20.610,
196.448

 49, 20.610,
196.448

 9, 20.610, 196.448

 59, 20.610,
196.448

 0, 20.610, 196.448

 69, 20.610,
196.448

 79, 20.610,
196.448

 89, 20.610,
196.448

 99, 20.610,

196.448

■ 29, 20.610,
196.448

■ 29, 20.610,
196.448

■ 29, 21.025,
196.390

■ 29, 19.750,
196.564

■ 29, 18.654,
196.715

■ 30, 17.182,
196.920

■ 30, 15.344,
197.178

■ 30, 13.160,
197.490

■ 31, 10.663,
197.853

■ 31, 7.896, 198.265

■ 32, 4.899, 198.728

■ 32, 1.718, 199.310

Harmonies

Complementary

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



29, 20.610, 196.448



14, 37.861, 31.294

Rectangle

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



29, 20.610, 196.448



29, 20.610, 246.448



29, 20.610, 16.448



29, 20.610, 66.448

Sweetspot

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



29, 20.610, 196.447



40, 11.072, 198.059



28, 48.629, 136.510



20, 7.597, 197.961



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, 20.610, 196.447



38, 25.121, 196.391



16, 26.308, 277.801



15, 1.819, 199.079



39, 25.572, 196.391



83, 46.276, 196.391

Inverse Universe

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



16, 47.144, 328.139



22, 57.931, 328.234



20, 31.487, 63.226



14, 3.312, 324.844



23, 58.970, 328.234



54, 106.715, 328.234

Previews

White Background



This preview shows how the CIE LCh color 29, 20.610, 196.448 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, 20.610, 196.448 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

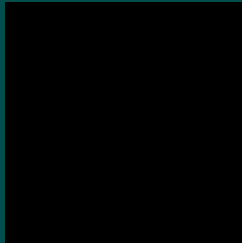
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 20.610, 196.448

Background



This preview shows how black text looks on a background with the CIELCh color 29, 20.610, 196.448.



This preview shows how white text looks on a background with the CIELCh color 29, 20.610, 196.448.

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, 20.610, 196.448

Protanopia

29, 1.989, 303.237

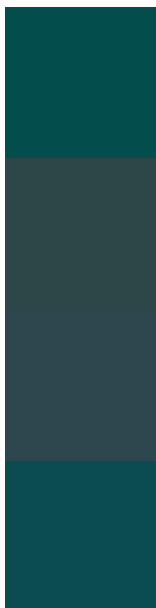
Deuteranopia

29, 7.859, 300.829



Tritanopia
29, 18.663, 208.939

Trichromacy



Original Color
29, 20.610, 196.448

Protanomaly
28, 10.254, 205.179

Deuteranomaly
28, 10.409, 224.053

Tritanomaly
29, 19.243, 204.492

Monochromacy



Original Color
29, 20.610, 196.448

Achromatopsia
23, 0.004, 296.813

Achromatomaly
25, 10.740, 197.618

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 20.610, 196.448 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(4, 77, 77)` looks like.

```
.text, #text, p{  
    color:rgb(4, 77, 77)  
}
```

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(4, 77, 77) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 29, 20.610, 196.448 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(4, 77, 77) }
```

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

```
.border{ border-color:rgb(4, 77, 77) }
```

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

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

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

Background

The CSS property to change the background color of an element to CIELCh 29, 20.610, 196.448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 77, 77) }
```

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

```
.background{ background-color: rgb(4, 77,  
77) }
```

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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