

Converting Colors

CIELCh(28, 25.505, 204.541)

Have a look what the booklet for
CIELCh(28, 25.505, 204.541)
contains.

CIELCh(29, 20.172, 207.830)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(29, 20.172, 207.830)

Conversions

Conversions Part 1

Format	Color
Hex	014C52
RGB	1, 76, 82
RGB Percent	0%, 30%, 32%
CMY	0.9975, 0.7005, 0.6770
CMYK	0.99, 0.07, 0.00, 0.68
HSL	184°, 98%, 16%
HSV	184°, 99%, 32%
XYZ	4.1544, 5.8380, 8.9636
YIQ	54.2590, -46.6260, -14.0340

Conversions

Conversions Part 2

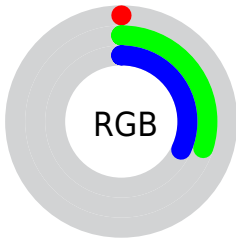
Format	Color
R _Y B	1, 40, 82
Decimal	85074
CIE Lab	29.00, -17.84, -9.42
CIE LCh	29, 20.172, 207.830
Yxy	5.8380, 0.2192, 0.3080
Android (android.graphics.Color)	4278275154 (0xFF014C52)
YUV	54.2590, 13.6763, -46.7081
Hunter-Lab	24.1619, -11.5924, -5.0819

Details

The CIELCh color **29, 20.172, 207.830** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **15, 40.424, 35.271**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 20.003, 207.688**, and **10, 11.758, 215.290** is the 20% darker color. If you saturate the color by 10%, you get **29, 20.227, 207.880**, and if you desaturate by 10%, it is **29, 19.461, 207.130**.

Distribution



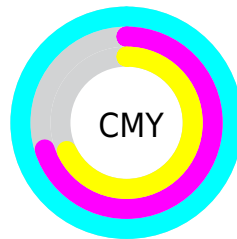
- Red (0%)
- Green (30%)
- Blue (32%)



- Red (0%)
- Yellow (16%)
- Blue (32%)



- Cyan (99%)
- Magenta (7%)
- Yellow (0%)
- Black (68%)





- Cyan (100%)
- Magenta (70%)
- Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 29, 20.172, 207.830 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, 20.172, 207.830 by changing the saturation by 10% instead.

 29, 20.172,
207.830


 29, 20.172,
207.830

 100, 20.172,
207.830


 19, 20.172,
207.830


 49, 20.172,
207.830


 9, 20.172, 207.830

 59, 20.172,
207.830

 0, 20.172, 207.830

 69, 20.172,
207.830

 79, 20.172,
207.830

 89, 20.172,
207.830

 99, 20.172,

207.830

■ 29, 20.172,
207.830

■ 29, 20.172,
207.830

■ 29, 20.227,
207.880

■ 29, 19.461,
207.130

■ 30, 18.626,
206.458

■ 30, 17.403,
205.967

■ 31, 15.793,
205.640

■ 31, 13.814,
205.458

■ 32, 11.500,
205.401

■ 33, 8.893, 205.451

■ 33, 6.036, 205.597

■ 34, 2.973, 205.849

Harmonies

Complementary

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



29, 20.172, 207.830



15, 40.424, 35.271

Rectangle

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



29, 20.172, 207.830



29, 20.172, 257.830



29, 20.172, 27.830



29, 20.172, 77.830

Sweetspot

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



29, 20.172, 207.829



42, 11.267, 205.434



30, 50.785, 137.412



20, 7.533, 205.418



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



29, 20.172, 207.829



38, 24.223, 208.320



15, 32.849, 285.838



16, 1.788, 205.867



37, 23.819, 208.283



79, 42.506, 209.198

Inverse Universe

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



17, 48.023, 331.087



24, 57.782, 331.222



23, 34.797, 68.804



15, 3.329, 326.903



23, 56.816, 331.213



54, 101.502, 331.437

Previews

White Background



This preview shows how the CIELCh color 29, 20.172, 207.830 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, 20.172, 207.830 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

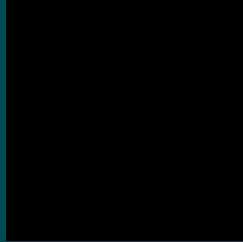
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

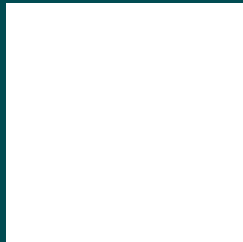
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 29, 20.172, 207.830

Background



This preview shows how black text looks on a background with the CIELCh color 29, 20.172, 207.830.



This preview shows how white text looks on a background with the CIELCh color 29, 20.172, 207.830.

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, 20.065, 207.903

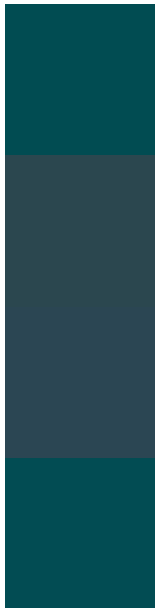
Protanopia
29, 5.804, 287.133

Deuteranopia
29, 10.961, 292.238



Tritanopia
29, 19.813, 210.047

Trichromacy



Original Color
29, 20.065, 207.903

Protanomaly
28, 11.469, 225.024

Deuteranomaly
28, 12.612, 240.461

Tritanomaly
29, 19.917, 209.963

Monochromacy



Original Color
29, 20.065, 207.903

Achromatopsia
23, 0.004, 296.813

Achromatomaly
24, 10.621, 204.898

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 20.172, 207.830 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(1, 76, 82)` looks like.

```
.text, #text, p{  
    color:rgb(1, 76, 82)  
}
```

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(1, 76, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 76, 82) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 20.172, 207.830 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(1, 76, 82) }
```

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

```
.border{ border-color:rgb(1, 76, 82) }
```

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

Here you see how a box with a 4 pixel rgb(1, 76, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 76, 82); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 76, 82); box-shadow:4px  
4px 4px 4px rgb(1, 76, 82) }
```

Background

The CSS property to change the background color of an element to CIELCh 29, 20.172, 207.830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 76, 82) }
```

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

```
.background{ background-color: rgb(1, 76,  
82) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor