

Converting Colors

CIELCh(29, 20.585, 147.343)

Have a look what the booklet for
CIELCh(29, 20.585, 147.343)
contains.

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Color

CIELCh(29, 20.306, 147.661)

Conversions

Conversions Part 1

Format	Color
Hex	2D4B33
RGB	45, 75, 51
RGB Percent	18%, 29%, 20%
CMY	0.8233, 0.7057, 0.7998
CMYK	0.40, 0.00, 0.32, 0.71
HSL	132°, 25%, 24%
HSV	132°, 40%, 29%
XYZ	4.2028, 5.8380, 4.0431
YIQ	63.2940, -10.1760, -13.8240

Conversions

Conversions Part 2

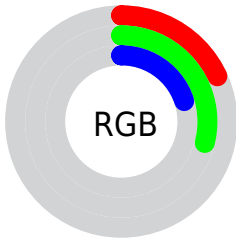
Format	Color
RYB	45, 70, 75
Decimal	2968371
CIELab	29.00, -17.16, 10.86
CIElCh	29, 20.306, 147.661
Yxy	5.8380, 0.2984, 0.4145
Android (android.graphics.Color)	4281158451 (0xFF2D4B33)
YUV	63.2940, -6.0609, -16.0438
Hunter-Lab	24.1619, -11.2344, 6.9921

Details

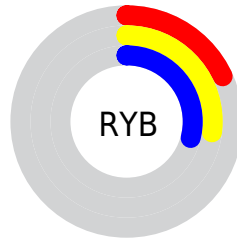
The CIELCh color **29, 20.306, 147.661** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **23, 20.382, 332.859**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 20.556, 147.293**, and **9, 20.432, 147.519** is the 20% darker color. If you saturate the color by 10%, you get **28, 25.186, 146.669**, and if you desaturate by 10%, it is **30, 15.278, 148.532**.

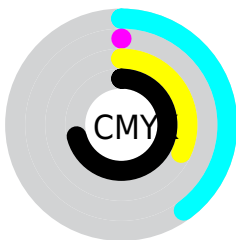
Distribution



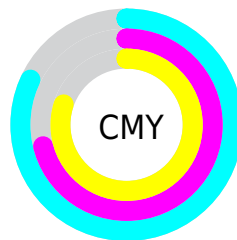
- Red (18%)
- Green (29%)
- Blue (20%)



- Red (18%)
- Yellow (27%)
- Blue (29%)



- Cyan (40%)
- Magenta (0%)
- Yellow (32%)
- Black (71%)



- Cyan (82%)
- Magenta (71%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 29, 20.306, 147.661 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, 20.306, 147.661 by changing the saturation by 10% instead.

■ 29, 20.306,
147.661

■ 29, 20.306,
147.661

■ 100, 20.306,
147.661

■ 19, 20.306,
147.661

■ 49, 20.306,
147.661

■ 9, 20.306, 147.661

■ 59, 20.306,
147.661

■ 0, 20.306, 147.661

■ 69, 20.306,
147.661

■ 79, 20.306,
147.661

■ 89, 20.306,
147.661

■ 99, 20.306,

147.661

■ 29, 20.306,
147.661

■ 29, 20.306,
147.661

■ 28, 25.186,
146.669

■ 30, 15.278,
148.532

■ 28, 29.831,
145.548

■ 30, 10.175,
149.297

■ 28, 34.149,
144.295

■ 31, 5.060, 149.976

■ 27, 38.049,
142.923

■ 32, 0.016, 321.161

■ 27, 41.461,
141.492

■ 33, 5.017, 331.009

■ 27, 44.551,
140.408

■ 35, 14.689,
331.881

■ 27, 44.558,
140.406

■ 36, 19.331,
332.241

■ 37, 23.836,
332.562

Harmonies

Complementary

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



29, 20.306, 147.661



23, 20.382, 332.859

Rectangle

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



29, 20.306, 147.661



29, 20.306, 197.661



29, 20.306, 327.661



29, 20.306, 17.661

Sweetspot

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



29, 20.307, 147.661



40, 7.531, 149.815



31, 18.899, 114.826



19, 4.929, 149.785



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



29, 20.307, 147.661



37, 29.897, 146.691



29, 13.890, 171.169



15, 2.874, 150.060



37, 56.138, 139.567



80, 104.601, 138.332

Inverse Universe

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



23, 20.382, 332.859



28, 29.924, 333.478



22, 15.359, 358.968



14, 2.883, 330.975



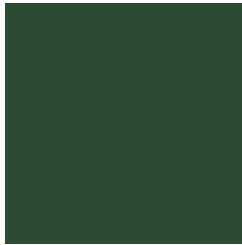
22, 50.909, 337.501



52, 91.198, 338.324

Previews

White Background



This preview shows how the CIELCh color 29, 20.306, 147.661 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, 20.306, 147.661 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, 20.306, 147.661

Background



This preview shows how black text looks on a background with the CIELCh color 29, 20.306, 147.661.



This preview shows how white text looks on a background with the CIELCh color 29, 20.306, 147.661.

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

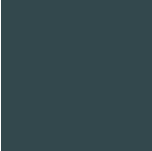
29, 20.306, 147.661

Protanopia

29, 13.104, 94.705

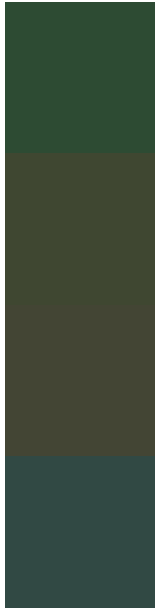
Deuteranopia

29, 10.703, 65.700



Tritanopia
29, 8.789, 219.884

Trichromacy



Original Color
29, 20.306, 147.661

Protanomaly
29, 14.482, 122.711

Deuteranomaly
29, 10.895, 113.073

Tritanomaly
29, 10.511, 179.869

Monochromacy



Original Color
29, 20.306, 147.661

Achromatopsia
27, 0.004, 296.813

Achromatomaly
27, 7.203, 152.197

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 20.306, 147.661 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(45, 75, 51)` looks like.

```
.text, #text, p{  
    color:rgb(45, 75, 51)  
}
```

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(45, 75, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 75, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 20.306, 147.661 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(45, 75, 51) }
```

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

```
.border{ border-color:rgb(45, 75, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 75, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 75, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 75, 51);  
box-shadow:4px 4px 4px 4px rgb(45, 75, 51)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 20.306, 147.661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 75, 51) }
```

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

```
.background{ background-color: rgb(45, 75,  
51) }
```

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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