

Converting Colors

CIELCh(29, 20.627, 106.212)

Have a look what the booklet for
CIELCh(29, 20.627, 106.212)
contains.

CIELCh(29, 20.663, 106.167)	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, 20.663, 106.167)

Conversions

Conversions Part 1

Format	Color
Hex	464625
RGB	70, 70, 37
RGB Percent	27%, 27%, 15%
CMY	0.7250, 0.7250, 0.8544
CMYK	0.00, 0.00, 0.47, 0.72
HSL	60°, 31%, 21%
HSV	60°, 47%, 28%
XYZ	5.0696, 5.8380, 2.6200
YIQ	66.2380, 10.5930, -10.2630

Conversions

Conversions Part 2

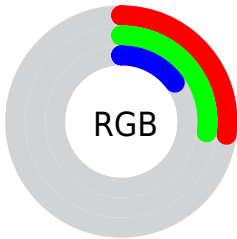
Format	Color
R_{YB}	37, 70, 37
Decimal	4605477
CIE Lab	29.00, -5.75, 19.85
CIE LCh	29, 20.663, 106.167
Yxy	5.8380, 0.3748, 0.4316
Android (android.graphics.Color)	4282795557 (0xFF464625)
YUV	66.2380, -14.4143, 3.2993
Hunter-Lab	24.1619, -4.8312, 10.4841

Details

The CIELCh color **29, 20.663, 106.167** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **16, 23.058, 295.883**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 20.848, 106.146**, and **9, 14.392, 109.432** is the 20% darker color. If you saturate the color by 10%, you get **29, 24.720, 105.382**, and if you desaturate by 10%, it is **29, 16.422, 106.999**.

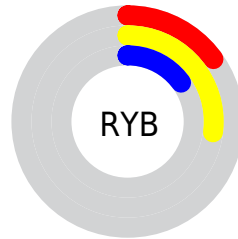
Distribution



Red (27%)

Green (27%)

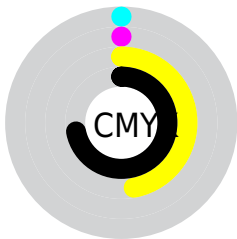
Blue (15%)



Red (15%)

Yellow (27%)

Blue (15%)

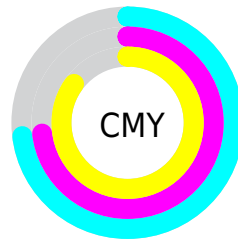


Cyan (0%)

Magenta (0%)

Yellow (47%)

Black (72%)



Cyan (73%)


Magenta (73%)


Yellow (85%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 29, 20.663, 106.167 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, 20.663, 106.167 by changing the saturation by 10% instead.

 29, 20.663,
106.167


 29, 20.663,
106.167

 100, 20.663,
106.167


 19, 20.663,
106.167


 49, 20.663,
106.167


 9, 20.663, 106.167

 59, 20.663,
106.167

 0, 20.663, 106.167

 69, 20.663,
106.167

 79, 20.663,
106.167

 89, 20.663,
106.167

 99, 20.663,

106.167

■ 29, 20.663,
106.167

■ 29, 20.663,
106.167

■ 29, 24.720,
105.382

■ 29, 16.422,
106.999

■ 29, 28.492,
104.658

■ 29, 12.063,
107.852

■ 29, 31.847,
104.024

■ 29, 7.634, 108.712

■ 29, 34.627,
103.508

■ 30, 3.165, 109.566

■ 29, 37.353,
103.013

■ 30, 1.321, 290.447

■ 29, 38.182,
102.872

■ 30, 10.294,
292.060

■ 31, 14.762,
292.834

■ 31, 19.210,
293.578

Harmonies

Complementary

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



29, 20.663, 106.167



16, 23.058, 295.883

Rectangle

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



29, 20.663, 106.167



29, 20.663, 156.167



29, 20.663, 286.167



29, 20.663, 336.167

Sweetspot

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



29, 20.664, 106.170



39, 7.834, 108.927



19, 16.951, 22.384



19, 5.328, 108.836



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



29, 20.664, 106.170



38, 30.269, 105.289



28, 22.182, 126.511



14, 2.533, 109.436



41, 48.579, 102.850



88, 88.736, 102.850

Inverse Universe

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



16, 23.058, 295.883



19, 35.022, 297.849



18, 23.628, 310.641



12, 2.580, 290.960



8, 67.078, 306.286



28, 122.531, 306.287

Previews

White Background



This preview shows how the CIELCh color 29, 20.663, 106.167 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, 20.663, 106.167 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

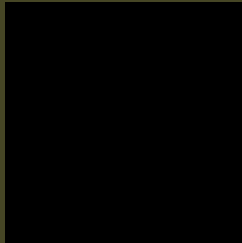
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

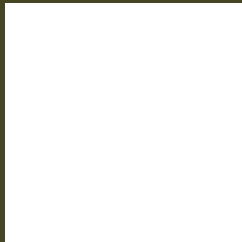
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 29, 20.663, 106.167

Background



This preview shows how black text looks on a background with the CIELCh color 29, 20.663, 106.167.



This preview shows how white text looks on a background with the CIELCh color 29, 20.663, 106.167.

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, 20.663, 106.167

Protanopia

29, 19.896, 96.015

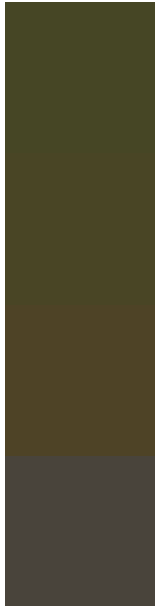
Deuteranopia

29, 19.733, 78.778



Tritanopia
29, 4.802, 338.163

Trichromacy



Original Color
29, 20.663, 106.167

Protanomaly
29, 20.218, 100.496

Deuteranomaly
29, 19.281, 89.619

Tritanomaly
29, 6.222, 86.979

Monochromacy



Original Color
29, 20.663, 106.167

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 8.329, 108.546

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 20.663, 106.167 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(70, 70, 37)` looks like.

```
.text, #text, p{  
    color:rgb(70, 70, 37)  
}
```

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(70, 70, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 70, 37) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 20.663, 106.167 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(70, 70, 37) }
```

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

```
.border{ border-color:rgb(70, 70, 37) }
```

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

Here you see how a box with a 4 pixel rgb(70, 70, 37) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 70, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 70, 37);  
box-shadow:4px 4px 4px 4px rgb(70, 70, 37)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 20.663, 106.167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 70, 37) }
```

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

```
.background{ background-color: rgb(70, 70,  
37) }
```

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