

Converting Colors

CIELCh(29, 27.545, 117.659)

Have a look what the booklet for
CIELCh(29, 27.545, 117.659)
contains.

CIELCh(29, 27.545, 117.659)	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, 27.545, 117.659)

Conversions

Conversions Part 1

Format	Color
Hex	3D491D
RGB	61, 73, 29
RGB Percent	24%, 29%, 11%
CMY	0.7610, 0.7139, 0.8864
CMYK	0.16, 0.00, 0.60, 0.71
HSL	76°, 43%, 20%
HSV	76°, 60%, 29%
XYZ	4.5222, 5.8380, 2.0480
YIQ	64.3960, 6.9720, -16.2280

Conversions

Conversions Part 2

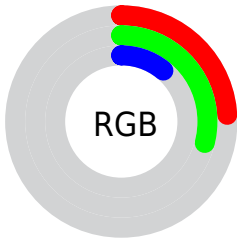
Format	Color
RYB	29, 73, 41
Decimal	4016413
CIELab	29.00, -12.79, 24.40
CIElCh	29, 27.545, 117.659
Yxy	5.8380, 0.3645, 0.4705
Android (android.graphics.Color)	4282206493 (0xFF3D491D)
YUV	64.3960, -17.4502, -2.9783
Hunter-Lab	24.1619, -8.8748, 11.8878

Details

The CIELCh color **29, 27.545, 117.659** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **15, 31.257, 305.210**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 27.991, 117.553**, and **9, 18.445, 132.059** is the 20% darker color. If you saturate the color by 10%, you get **29, 31.464, 117.343**, and if you desaturate by 10%, it is **29, 23.304, 118.094**.

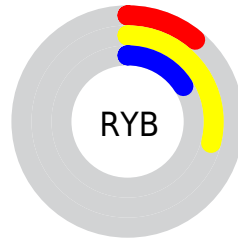
Distribution



Red (24%)

Green (29%)

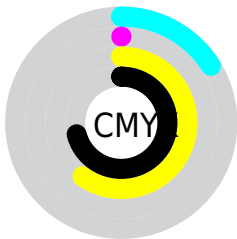
Blue (11%)



Red (11%)

Yellow (29%)

Blue (16%)

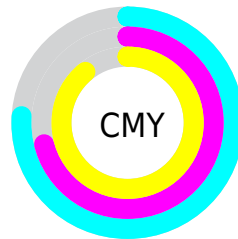


Cyan (16%)

Magenta (0%)

Yellow (60%)

Black (71%)



Cyan (76%)


Magenta (71%)


Yellow (89%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 29, 27.545, 117.659 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, 27.545, 117.659 by changing the saturation by 10% instead.

 29, 27.545,
117.659


 29, 27.545,
117.659

 100, 27.545,
117.659


 19, 27.545,
117.659


 49, 27.545,
117.659


 9, 27.545, 117.659

 59, 27.545,
117.659

 0, 27.545, 117.659

 69, 27.545,
117.659

 79, 27.545,
117.659

 89, 27.545,
117.659

 99, 27.545,

117.659

■ 29, 27.545,
117.659

■ 29, 27.545,
117.659

■ 29, 31.464,
117.343

■ 29, 23.304,
118.094

■ 29, 34.912,
117.203

■ 30, 18.848,
118.597

■ 28, 37.807,
117.272

■ 30, 14.258,
119.134

■ 28, 40.731,
117.210

■ 30, 9.586, 119.684

■ 31, 4.872, 120.231

■ 31, 0.141, 120.891

■ 31, 4.586, 301.266

■ 32, 9.295, 301.753

■ 32, 13.976,
302.213

Harmonies

Complementary

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



29, 27.545, 117.659



15, 31.257, 305.210

Rectangle

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



29, 27.545, 117.659



29, 27.545, 167.659



29, 27.545, 297.659



29, 27.545, 347.659

Sweetspot

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



29, 27.546, 117.661



39, 10.519, 119.773



20, 19.627, 45.894



19, 7.368, 119.682



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, 27.546, 117.661



37, 39.416, 117.255



28, 31.416, 134.787



14, 2.586, 120.326



39, 50.601, 117.746



83, 92.939, 118.719

Inverse Universe

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



15, 31.257, 305.210



16, 46.564, 306.494



17, 32.228, 320.012



13, 2.629, 301.242



10, 64.934, 308.517



31, 119.625, 307.879

Previews

White Background



This preview shows how the CIELCh color 29, 27.545, 117.659 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 CIE LCh color 29, 27.545, 117.659 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

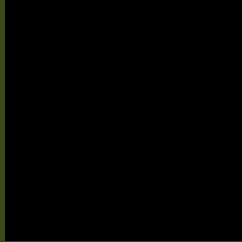
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 27.545, 117.659

Background



This preview shows how black text looks on a background with the CIELCh color 29, 27.545, 117.659.



This preview shows how white text looks on a background with the CIELCh color 29, 27.545, 117.659.

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, 27.545, 117.659

Protanopia

29, 25.175, 95.770

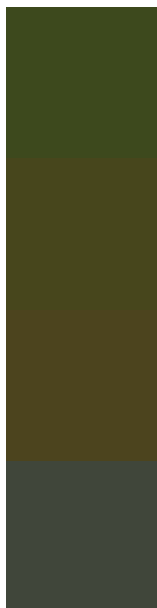
Deuteranopia

29, 23.871, 81.248



Tritanopia
29, 3.944, 278.457

Trichromacy



Original Color
29, 27.545, 117.659

Protanomaly
29, 25.829, 104.025

Deuteranomaly
29, 24.059, 95.589

Tritanomaly
29, 8.178, 128.390

Monochromacy



Original Color
29, 27.545, 117.659

Achromatopsia
27, 0.004, 296.813

Achromatomaly
28, 10.456, 118.590

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 27.545, 117.659 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(61, 73, 29)` looks like.

```
.text, #text, p{  
    color:rgb(61, 73, 29)  
}
```

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(61, 73, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 73, 29) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 27.545, 117.659 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(61, 73, 29) }
```

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

```
.border{ border-color:rgb(61, 73, 29) }
```

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

Here you see how a box with a 4 pixel rgb(61, 73, 29) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 73, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 73, 29);  
box-shadow:4px 4px 4px 4px rgb(61, 73, 29)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 27.545, 117.659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 73, 29) }
```

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

```
.background{ background-color: rgb(61, 73,  
29) }
```

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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