

Converting Colors

CIELCh(29, 42.716, 119.707)

Have a look what the booklet for
CIELCh(29, 42.716, 119.707)
contains.

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Color

CIELCh(29, 42.553, 119.824)

Conversions

Conversions Part 1

Format	Color
Hex	334C00
RGB	51, 76, 0
RGB Percent	20%, 30%, 0%
CMY	0.8008, 0.7028, 1.0000
CMYK	0.33, 0.00, 1.00, 0.70
HSL	80°, 100%, 15%
HSV	80°, 100%, 30%
XYZ	3.9235, 5.8380, 0.9147
YIQ	59.8610, 9.4960, -28.9360

Conversions

Conversions Part 2

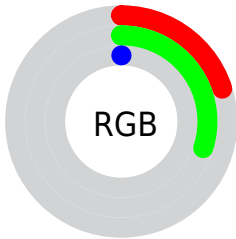
Format	Color
RYB	0, 76, 25
Decimal	3361792
CIELab	29.00, -21.16, 36.92
CIELCh	29, 42.553, 119.824
Yxy	5.8380, 0.3675, 0.5468
Android (android.graphics.Color)	4281551872 (0xFF334C00)
YUV	59.8610, -29.5115, -7.7711
Hunter-Lab	24.1619, -13.2977, 14.6689

Details

The CIELCh color **29, 42.553, 119.824** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **7, 52.680, 309.486**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 42.382, 119.736**, and **9, 23.127, 144.258** is the 20% darker color. If you saturate the color by 10%, you get **29, 42.483, 119.863**, and if you desaturate by 10%, it is **29, 39.368, 119.865**.

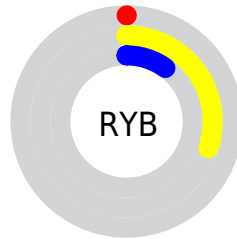
Distribution



Red (20%)

Green (30%)

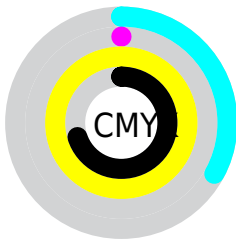
Blue (0%)



Red (0%)

Yellow (30%)

Blue (10%)

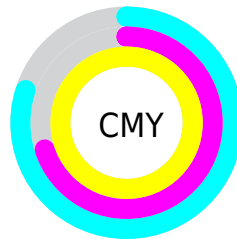


Cyan (33%)

Magenta (0%)

Yellow (100%)

Black (70%)



Cyan (80%)


Magenta (70%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 29, 42.553, 119.824 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, 42.553, 119.824 by changing the saturation by 10% instead.

 29, 42.553,
119.824

 29, 42.553,
119.824

 100, 42.553,
119.824

 19, 42.553,
119.824

 49, 42.553,
119.824

 9, 42.553, 119.824

 59, 42.553,
119.824

 0, 42.553, 119.824

 69, 42.553,
119.824

 79, 42.553,
119.824

 89, 42.553,
119.824

 99, 42.553,

119.824

■ 29, 42.553,
119.824

■ 29, 42.553,
119.824

■ 29, 42.483,
119.863

■ 29, 39.368,
119.865

■ 29, 36.348,
119.710

■ 30, 32.722,
119.796

■ 30, 28.611,
120.069

■ 30, 24.169,
120.464

■ 31, 19.509,
120.928

■ 31, 14.713,
121.426

■ 31, 9.837, 121.935

■ 32, 4.922, 122.441

Harmonies

Complementary

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



29, 42.553, 119.824



7, 52.680, 309.486

Rectangle

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



29, 42.553, 119.824



29, 42.553, 169.824



29, 42.553, 299.824



29, 42.553, 349.824

Sweetspot

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



29, 42.483, 119.863



41, 18.414, 121.367



16, 33.966, 46.785



20, 12.653, 121.251



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, 42.483, 119.863



38, 51.413, 120.411



27, 48.357, 133.894



15, 2.767, 122.508



39, 52.351, 120.457



84, 95.407, 121.506

Inverse Universe

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



7, 52.680, 309.486



11, 64.288, 309.323



13, 48.739, 321.899



14, 2.811, 303.350



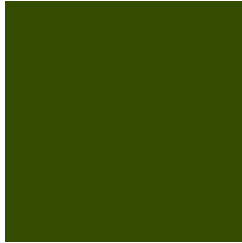
11, 65.466, 309.292



32, 119.482, 308.604

Previews

White Background



This preview shows how the CIELCh color 29, 42.553, 119.824 looks on a white background.

Color Contrast Check

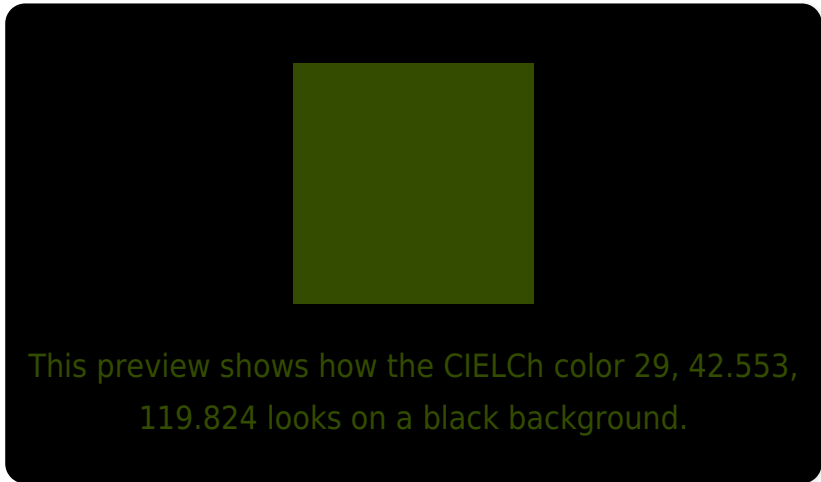
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

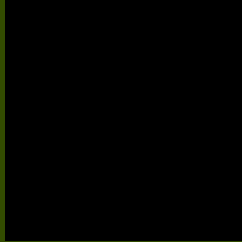
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 42.553, 119.824

Background



This preview shows how black text looks on a background with the CIELCh color 29, 42.553, 119.824.



This preview shows how white text looks on a background with the CIELCh color 29, 42.553, 119.824.

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, 42.553, 119.824

Protanopia

29, 38.025, 96.412

Deuteranopia

29, 32.301, 83.710



Tritanopia
29, 6.154, 237.912

Trichromacy



Original Color
29, 42.553, 119.824

Protanomaly
29, 38.585, 105.999

Deuteranomaly
29, 33.882, 100.009

Tritanomaly
29, 17.225, 134.568

Monochromacy



Original Color
29, 42.553, 119.824

Achromatopsia
25, 0.004, 296.813

Achromatomaly
26, 18.389, 120.514

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 42.553, 119.824 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(51, 76, 0)` looks like.

```
.text, #text, p{  
    color:rgb(51, 76, 0)  
}
```

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(51, 76, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 76, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 42.553, 119.824 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(51, 76, 0) }
```

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

```
.border{ border-color:rgb(51, 76, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 76, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 76, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(51, 76, 0); box-shadow:4px  
4px 4px 4px rgb(51, 76, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 29, 42.553, 119.824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 76, 0) }
```

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

```
.background{ background-color: rgb(51, 76,  
0) }
```

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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