

Converting Colors

CIELCh(29, 24.752, 105.420)

Have a look what the booklet for
CIELCh(29, 24.752, 105.420)
contains.

CIELCh(29, 24.712, 105.379)	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, 24.712, 105.379)

Conversions

Conversions Part 1

Format	Color
Hex	46461E
RGB	70, 70, 30
RGB Percent	27%, 27%, 12%
CMY	0.7240, 0.7240, 0.8810
CMYK	0.00, 0.00, 0.57, 0.72
HSL	60°, 40%, 20%
HSV	60°, 57%, 28%
XYZ	5.0052, 5.8380, 2.1146
YIQ	65.4400, 12.8400, -12.4400

Conversions

Conversions Part 2

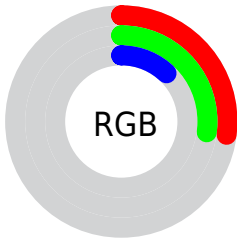
Format	Color
RYB	30, 70, 30
Decimal	4605470
CIELab	29.00, -6.55, 23.83
CIELCh	29, 24.712, 105.379
Yxy	5.8380, 0.3863, 0.4505
Android (android.graphics.Color)	4282795550 (0xFF46461E)
YUV	65.4400, -17.4719, 3.9991
Hunter-Lab	24.1619, -5.3069, 11.7245

Details

The CIELCh color **29, 24.712, 105.379** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **14, 28.457, 297.586**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 24.803, 104.742**, and **9, 14.501, 114.172** is the 20% darker color. If you saturate the color by 10%, you get **29, 28.501, 104.656**, and if you desaturate by 10%, it is **29, 20.641, 106.171**.

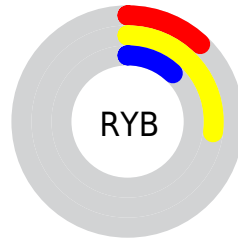
Distribution



Red (27%)

Green (27%)

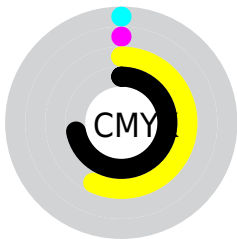
Blue (12%)



Red (12%)

Yellow (27%)

Blue (12%)

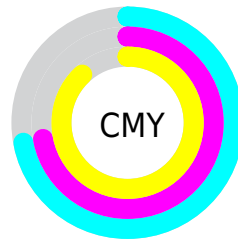


Cyan (0%)

Magenta (0%)

Yellow (57%)

Black (72%)



Cyan (72%)


Magenta (72%)


Yellow (88%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 29, 24.712, 105.379 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, 24.712, 105.379 by changing the saturation by 10% instead.

 29, 24.712,
105.379


 29, 24.712,
105.379


 100, 24.712,
105.379


 19, 24.712,
105.379


 49, 24.712,
105.379


 9, 24.712, 105.379

 59, 24.712,
105.379

 0, 24.712, 105.379

 69, 24.712,
105.379

 79, 24.712,
105.379

 89, 24.712,
105.379

 99, 24.712,

105.379

■ 29, 24.712,
105.379

■ 29, 24.712,
105.379

■ 29, 28.501,
104.656

■ 29, 20.641,
106.171

■ 29, 31.871,
104.019

■ 29, 16.386,
107.002

■ 29, 34.666,
103.500

■ 29, 12.014,
107.855

■ 29, 37.387,
103.006

■ 30, 7.572, 108.717

■ 29, 38.271,
102.855

■ 30, 3.091, 109.571

■ 30, 1.408, 290.451

■ 30, 5.910, 291.263

■ 30, 10.405,
292.065

■ 31, 14.884,
292.840

Harmonies

Complementary

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



29, 24.712, 105.379



14, 28.457, 297.586

Rectangle

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



29, 24.712, 105.379



29, 24.712, 155.379



29, 24.712, 285.379



29, 24.712, 335.379

Sweetspot

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



29, 24.712, 105.382



39, 9.503, 108.648



17, 21.067, 24.069



19, 6.262, 108.588



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, 24.712, 105.382



38, 35.782, 104.398



27, 26.619, 126.140



14, 2.532, 109.425



41, 48.569, 102.834



88, 88.718, 102.833

Inverse Universe

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



14, 28.457, 297.586



15, 43.346, 300.249



16, 28.787, 311.127



12, 2.580, 290.949



8, 67.062, 306.280



28, 122.520, 306.284

Previews

White Background



This preview shows how the CIE LCh color 29, 24.712, 105.379 looks on a white background.

Color Contrast Check

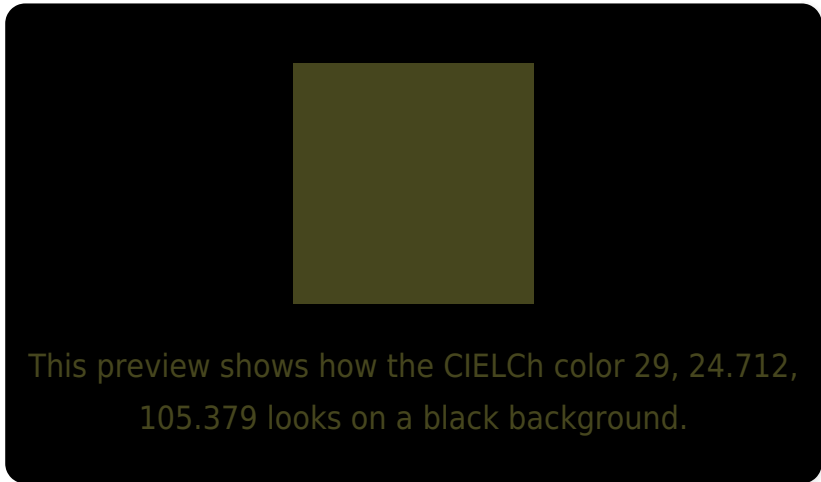
Large Text (above 18pt) WCAG AA ✓ Pass

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

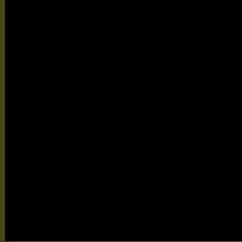
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 24.712, 105.379

Background



This preview shows how black text looks on a background with the CIELCh color 29, 24.712, 105.379.



This preview shows how white text looks on a background with the CIELCh color 29, 24.712, 105.379.

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, 24.712, 105.379

Protanopia

29, 24.059, 95.589

Deuteranopia

29, 23.576, 79.688



Tritanopia
29, 4.802, 338.163

Trichromacy



Original Color
29, 24.712, 105.379

Protanomaly
29, 24.341, 99.364

Deuteranomaly
29, 23.646, 89.090

Tritanomaly
29, 8.044, 91.544

Monochromacy



Original Color
29, 24.712, 105.379

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 9.602, 108.294

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 24.712, 105.379 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, 30)` looks like.

```
.text, #text, p{  
    color:rgb(70, 70, 30)  
}
```

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, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 70, 30) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 24.712, 105.379 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, 30) }
```

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

```
.border{ border-color:rgb(70, 70, 30) }
```

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, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 70, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 70, 30);  
box-shadow:4px 4px 4px 4px rgb(70, 70, 30)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 24.712, 105.379 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, 30) }
```

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

```
.background{ background-color: rgb(70, 70,  
30) }
```

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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