

Converting Colors

CIELCh(29, 13.526, 107.468)

Have a look what the booklet for
CIELCh(29, 13.526, 107.468)
contains.

CIELCh(29, 13.954, 107.480)	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, 13.954, 107.480)

Conversions

Conversions Part 1

Format	Color
Hex	464630
RGB	70, 70, 48
RGB Percent	27%, 27%, 19%
CMY	0.7268, 0.7268, 0.8130
CMYK	0.00, 0.00, 0.32, 0.73
HSL	60°, 19%, 23%
HSV	60°, 32%, 27%
XYZ	5.1968, 5.8380, 3.6143
YIQ	67.4920, 7.0620, -6.8420

Conversions

Conversions Part 2

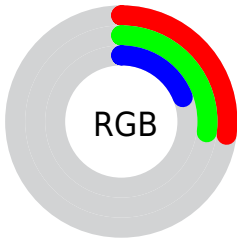
Format	Color
R_{YB}	48, 70, 48
Decimal	4605488
CIE Lab	29.00, -4.19, 13.31
CIE LCh	29, 13.954, 107.480
Yxy	5.8380, 0.3548, 0.3985
Android (android.graphics.Color)	4282795568 (0xFF464630)
YUV	67.4920, -9.6096, 2.1995
Hunter-Lab	24.1619, -3.8910, 8.0443

Details

The CIELCh color **29, 13.954, 107.480** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **21, 14.926, 293.576**, and the grayscale version is **29, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 13.972, 106.532**, and **9, 13.968, 106.846** is the 20% darker color. If you saturate the color by 10%, you get **29, 18.244, 106.641**, and if you desaturate by 10%, it is **29, 9.577, 108.341**.

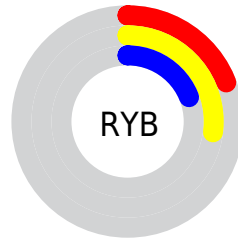
Distribution



Red (27%)

Green (27%)

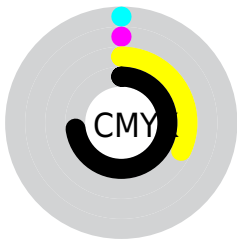
Blue (19%)



Red (19%)

Yellow (27%)

Blue (19%)

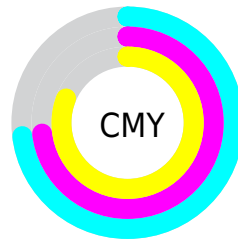


Cyan (0%)

Magenta (0%)

Yellow (32%)

Black (73%)



Cyan (73%)


Magenta (73%)


Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 29, 13.954, 107.480 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, 13.954, 107.480 by changing the saturation by 10% instead.

 29, 13.954,
107.480


 29, 13.954,
107.480

 100, 13.954,
107.480


 19, 13.954,
107.480


 49, 13.954,
107.480


 9, 13.954, 107.480

 59, 13.954,
107.480

 0, 13.954, 107.480

 69, 13.954,
107.480

 79, 13.954,
107.480

 89, 13.954,
107.480

 99, 13.954,

107.480

■ 29, 13.954,
107.480

■ 29, 13.954,
107.480

■ 29, 18.244,
106.641

■ 29, 9.577, 108.341

■ 29, 5.147, 109.199

■ 29, 22.391,
105.829

■ 30, 0.692, 110.014

■ 29, 26.313,
105.068

■ 30, 3.773, 290.902

■ 29, 29.900,
104.381

■ 30, 8.235, 291.712

■ 30, 12.686,
292.499

■ 29, 33.001,
103.798

■ 31, 17.119,
293.256

■ 28, 35.638,
103.310

■ 28, 37.997,
102.895

■ 31, 21.529,
293.980

■ 31, 25.912,
294.670

Harmonies

Complementary

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



29, 13.954, 107.480



21, 14.926, 293.576

Rectangle

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



29, 13.954, 107.480



29, 13.954, 157.480



29, 13.954, 287.480



29, 13.954, 337.480

Sweetspot

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



29, 13.955, 107.484



39, 5.040, 109.385



22, 10.810, 21.672



19, 3.451, 109.321



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, 13.955, 107.484



38, 21.010, 106.804



28, 14.974, 127.771



14, 2.533, 109.448



41, 48.580, 102.868



88, 88.739, 102.870

Inverse Universe

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



21, 14.926, 293.576



25, 22.945, 294.713



22, 15.569, 310.421



12, 2.580, 290.972



8, 67.078, 306.289



28, 122.531, 306.288

Previews

White Background



This preview shows how the CIELCh color 29, 13.954, 107.480 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, 13.954, 107.480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

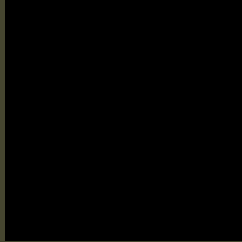
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 13.954, 107.480

Background



This preview shows how black text looks on a background with the CIELCh color 29, 13.954, 107.480.

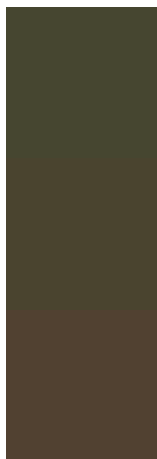


This preview shows how white text looks on a background with the CIELCh color 29, 13.954, 107.480.

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, 13.954, 107.480

Protanopia

29, 13.720, 95.126

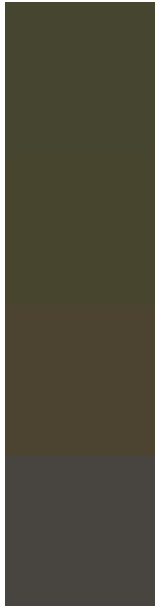
Deuteranopia

29, 13.091, 70.947



Tritanopia
29, 4.180, 329.799

Trichromacy



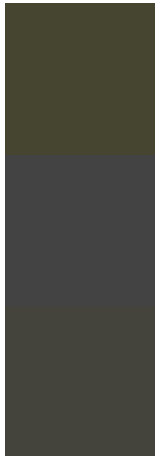
Original Color
29, 13.954, 107.480

Protanomaly
29, 14.061, 101.456

Deuteranomaly
29, 12.565, 84.896

Tritanomaly
29, 3.686, 79.738

Monochromacy



Original Color
29, 13.954, 107.480

Achromatopsia
28, 0.004, 296.813

Achromatomaly
29, 5.134, 109.174

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 13.954, 107.480 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, 48)` looks like.

```
.text, #text, p{  
    color:rgb(70, 70, 48)  
}
```

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, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 70, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 13.954, 107.480 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, 48) }
```

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

```
.border{ border-color:rgb(70, 70, 48) }
```

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, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 70, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 70, 48);  
box-shadow:4px 4px 4px 4px rgb(70, 70, 48)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 13.954, 107.480 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, 48) }
```

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

```
.background{ background-color: rgb(70, 70,  
48) }
```

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