

Converting Colors

CIELCh(29, 23.231, 108.417)

Have a look what the booklet for
CIELCh(29, 23.231, 108.417)
contains.

CIELCh(29, 23.567, 108.106)	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, 23.567, 108.106)

Conversions

Conversions Part 1

Format	Color
Hex	454721
RGB	69, 71, 33
RGB Percent	27%, 28%, 13%
CMY	0.7304, 0.7226, 0.8715
CMYK	0.03, 0.00, 0.54, 0.72
HSL	63°, 37%, 20%
HSV	63°, 54%, 28%
XYZ	4.9437, 5.8380, 2.2875
YIQ	66.0700, 11.0060, -12.2420

Conversions

Conversions Part 2

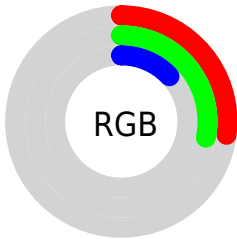
Format	Color
R_{YB}	33, 71, 35
Decimal	4540193
CIE Lab	29.00, -7.32, 22.40
CIE LCh	29, 23.567, 108.106
Yxy	5.8380, 0.3783, 0.4467
Android (android.graphics.Color)	4282730273 (0xFF454721)
YUV	66.0700, -16.3035, 2.5696
Hunter-Lab	24.1619, -5.7610, 11.3002

Details

The CIELCh color **29, 23.567, 108.106** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **15, 26.823, 298.410**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 23.641, 108.093**, and **9, 15.299, 115.731** is the 20% darker color. If you saturate the color by 10%, you get **29, 27.479, 107.440**, and if you desaturate by 10%, it is **29, 19.407, 108.840**.

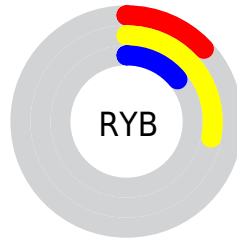
Distribution



 Red (27%)

 Green (28%)

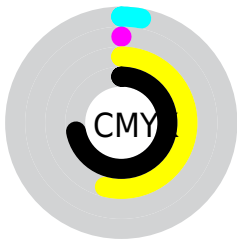
 Blue (13%)




 Red (13%)

 Yellow (28%)

 Blue (14%)

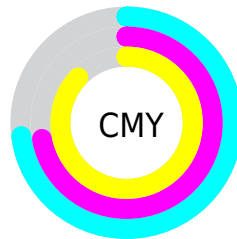



 Cyan (3%)

 Magenta (0%)

 Yellow (54%)

 Black (72%)



 Cyan (73%)


 Magenta (72%)


 Yellow (87%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 29, 23.567, 108.106 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, 23.567, 108.106 by changing the saturation by 10% instead.

 29, 23.567,
108.106


 29, 23.567,
108.106

 100, 23.567,
108.106


 19, 23.567,
108.106


 49, 23.567,
108.106


 9, 23.567, 108.106

 59, 23.567,
108.106

 0, 23.567, 108.106

 69, 23.567,
108.106

 79, 23.567,
108.106

 89, 23.567,
108.106

 99, 23.567,

108.106

■ 29, 23.567,
108.106

■ 29, 23.567,
108.106

■ 29, 27.479,
107.440

■ 29, 19.407,
108.840

■ 29, 31.019,
106.864

■ 29, 15.086,
109.609

■ 29, 34.032,
106.420

■ 30, 10.663,
110.396

■ 29, 36.685,
106.060

■ 30, 6.181, 111.186

■ 29, 38.478,
105.810

■ 30, 1.667, 111.961

■ 30, 2.860, 292.750

■ 30, 7.387, 293.492

■ 31, 11.902,
294.211

■ 31, 16.399,
294.901

Harmonies

Complementary

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



29, 23.567, 108.106



15, 26.823, 298.410

Rectangle

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



29, 23.567, 108.106



29, 23.567, 158.106



29, 23.567, 288.106



29, 23.567, 338.106

Sweetspot

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



29, 23.568, 108.109



39, 8.959, 110.955



18, 19.144, 27.956



19, 5.959, 110.891



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, 23.568, 108.109



38, 34.064, 107.266



27, 25.796, 128.590



14, 2.536, 111.585



40, 48.674, 105.930



87, 88.936, 106.158

Inverse Universe

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



15, 26.823, 298.410



17, 40.513, 300.528



17, 27.425, 313.047



12, 2.583, 292.971



9, 66.730, 306.609



28, 122.288, 306.409

Previews

White Background



This preview shows how the CIE LCh color 29, 23.567, 108.106 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, 23.567, 108.106 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

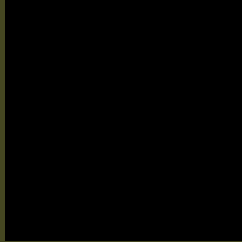
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 23.567, 108.106

Background



This preview shows how black text looks on a background with the CIELCh color 29, 23.567, 108.106.



This preview shows how white text looks on a background with the CIELCh color 29, 23.567, 108.106.

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, 23.567, 108.106

Protanopia

29, 22.922, 95.367

Deuteranopia

29, 22.221, 79.852



Tritanopia
29, 4.180, 329.799

Trichromacy



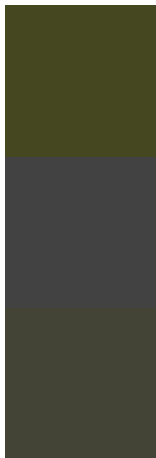
Original Color
29, 23.567, 108.106

Protanomaly
29, 23.146, 100.583

Deuteranomaly
29, 21.617, 90.843

Tritanomaly
29, 6.558, 96.568

Monochromacy



Original Color
29, 23.567, 108.106

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 8.983, 111.431

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 23.567, 108.106 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(69, 71, 33)` looks like.

```
.text, #text, p{  
    color:rgb(69, 71, 33)  
}
```

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(69, 71, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 71, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 23.567, 108.106 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(69, 71, 33) }
```

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

```
.border{ border-color:rgb(69, 71, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 71, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 71, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 71, 33);  
box-shadow:4px 4px 4px 4px rgb(69, 71, 33)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 23.567, 108.106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 71, 33) }
```

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

```
.background{ background-color: rgb(69, 71,  
33) }
```

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