

Converting Colors

CIELCh(29, 14.647, 337.513)

Have a look what the booklet for
CIELCh(29, 14.647, 337.513)
contains.

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Color

CIELCh(29, 14.615, 337.580)

Conversions

Conversions Part 1

Format	Color
Hex	553D4D
RGB	85, 61, 77
RGB Percent	33%, 24%, 30%
CMY	0.6659, 0.7600, 0.6972
CMYK	0.00, 0.28, 0.09, 0.67
HSL	320°, 16%, 29%
HSV	320°, 28%, 33%
XYZ	6.7910, 5.8380, 7.8274
YIQ	70.0000, 9.1680, 10.0640

Conversions

Conversions Part 2

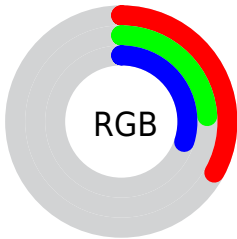
Format	Color
R_{YB}	85, 61, 77
Decimal	5586253
CIE Lab	29.00, 13.51, -5.57
CIE LCh	29, 14.615, 337.580
Yxy	5.8380, 0.3320, 0.2854
Android (android.graphics.Color)	4283776333 (0xFF553D4D)
YUV	70.0000, 3.4510, 13.1550
Hunter-Lab	24.1619, 7.8858, -2.2940

Details

The CIELCh color **29, 14.615, 337.580** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **34, 14.434, 153.599**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **49, 14.426, 337.568**, and **9, 14.837, 336.844** is the 20% darker color. If you saturate the color by 10%, you get **27, 19.768, 338.361**, and if you desaturate by 10%, it is **31, 9.395, 336.851**.

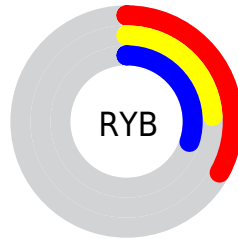
Distribution



Red (33%)

Green (24%)

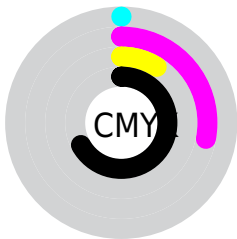
Blue (30%)



Red (33%)

Yellow (24%)

Blue (30%)

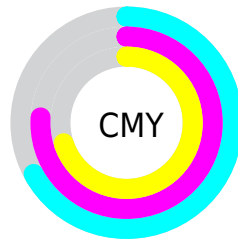


Cyan (0%)

Magenta (28%)

Yellow (9%)

Black (67%)



Cyan (67%)


Magenta (76%)

Yellow (70%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 29, 14.615, 337.580 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, 14.615, 337.580 by changing the saturation by 10% instead.

 29, 14.615,
337.580

 29, 14.615,
337.580

 100, 14.615,
337.580


 19, 14.615,
337.580

 49, 14.615,
337.580

 9, 14.615, 337.580

 59, 14.615,
337.580

 0, 14.615, 337.580

 69, 14.615,
337.580

 79, 14.615,
337.580

 89, 14.615,
337.580

 99, 14.615,

337.580

■ 29, 14.615,
337.580

■ 29, 14.615,
337.580

■ 27, 19.768,
338.361

■ 31, 9.395, 336.851

■ 34, 4.198, 336.150

■ 24, 24.734,
339.205

■ 37, 0.921, 155.763

■ 22, 29.350,
340.133

■ 39, 5.927, 154.991

■ 21, 33.414,
341.173

■ 42, 10.803,
154.412

■ 19, 36.711,
342.366

■ 45, 15.539,
153.873

■ 18, 39.046,
343.768

■ 48, 20.135,
153.368

■ 17, 40.975,
345.230

■ 50, 24.594,
152.891

■ 17, 41.356,
345.481

■ 53, 28.922,
152.442

Harmonies

Complementary

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



29, 14.615, 337.580



34, 14.434, 153.599

Rectangle

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



29, 14.615, 337.580



29, 14.615, 27.580



29, 14.615, 157.580



29, 14.615, 207.580

Sweetspot

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



29, 14.614, 337.581



44, 5.057, 336.155



28, 16.006, 304.653



22, 3.626, 336.230



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



29, 14.614, 337.581



36, 21.703, 338.115



29, 11.347, 8.533



16, 2.915, 336.193



22, 48.233, 346.172



52, 84.667, 347.821

Inverse Universe

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



29, 14.614, 337.581



36, 21.703, 338.115



34, 10.093, 183.563



16, 2.915, 336.193



22, 48.233, 346.172



52, 84.667, 347.821

Previews

White Background



This preview shows how the CIE LCh color 29, 14.615, 337.580 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, 14.615, 337.580 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, 14.615, 337.580

Background



This preview shows how black text looks on a background with the CIELCh color 29, 14.615, 337.580.



This preview shows how white text looks on a background with the CIELCh color 29, 14.615, 337.580.

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, 14.615, 337.580

Protanopia

29, 9.031, 286.711

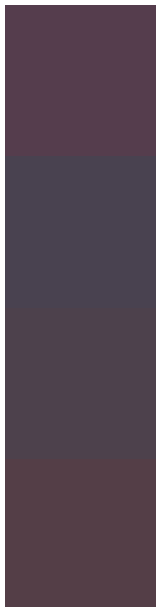
Deuteranopia

29, 6.209, 311.433



Tritanopia
29, 10.062, 2.780

Trichromacy



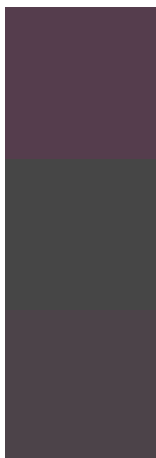
Original Color
29, 14.615, 337.580

Protanomaly
29, 9.534, 309.793

Deuteranomaly
29, 8.815, 327.561

Tritanomaly
29, 11.395, 351.201

Monochromacy



Original Color
29, 14.615, 337.580

Achromatopsia
30, 0.005, 296.813

Achromatomaly
29, 5.543, 336.389

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 14.615, 337.580 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(85, 61, 77)` looks like.

```
.text, #text, p{  
    color:rgb(85, 61, 77)  
}
```

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(85, 61, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 61, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 14.615, 337.580 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(85, 61, 77) }
```

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

```
.border{ border-color:rgb(85, 61, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 61, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 61, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 61, 77);  
box-shadow:4px 4px 4px 4px rgb(85, 61, 77)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 14.615, 337.580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 61, 77) }
```

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

```
.background{ background-color: rgb(85, 61,  
77) }
```

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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