

Converting Colors

CIELCh(28, 12.802, 345.564)

Have a look what the booklet for
CIELCh(28, 12.802, 345.564)
contains.

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Color

CIELCh(28, 13.159, 346.047)

Conversions

Conversions Part 1

Format	Color
Hex	533B47
RGB	83, 59, 71
RGB Percent	33%, 23%, 28%
CMY	0.6736, 0.7678, 0.7207
CMYK	0.00, 0.29, 0.14, 0.67
HSL	330°, 17%, 28%
HSV	330°, 29%, 33%
XYZ	6.3071, 5.4574, 6.7194
YIQ	67.5440, 10.4520, 8.8200

Conversions

Conversions Part 2

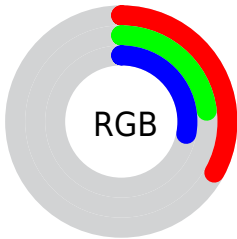
Format	Color
R_{YB}	83, 59, 71
Decimal	5454663
CIE Lab	28.00, 12.77, -3.17
CIE LCh	28, 13.159, 346.047
Yxy	5.4574, 0.3412, 0.2953
Android (android.graphics.Color)	4283644743 (0xFF533B47)
YUV	67.5440, 1.7038, 13.5549
Hunter-Lab	23.3610, 7.3100, -0.7010

Details

The CIELCh color **28, 13.159, 346.047** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **33, 12.735, 161.269**, and the grayscale version is **29, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 13.399, 346.394**, and **8, 12.832, 344.986** is the 20% darker color. If you saturate the color by 10%, you get **26, 17.759, 347.077**, and if you desaturate by 10%, it is **31, 8.536, 345.127**.

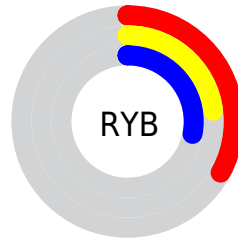
Distribution



Red (33%)

Green (23%)

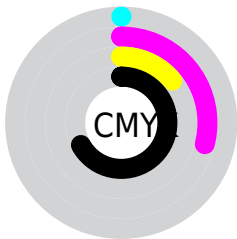
Blue (28%)



Red (33%)

Yellow (23%)

Blue (28%)

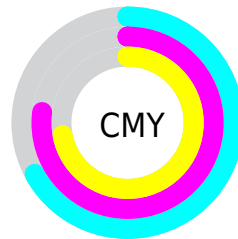


Cyan (0%)

Magenta (29%)

Yellow (14%)

Black (67%)



Cyan (67%)


Magenta (77%)


Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 13.159, 346.047 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 28, 13.159, 346.047 by changing the saturation by 10% instead.

 28, 13.159,
346.047


 28, 13.159,
346.047

 100, 13.159,
346.047


 18, 13.159,
346.047


 48, 13.159,
346.047


 8, 13.159, 346.047

 58, 13.159,
346.047

 0, 13.159, 346.047

 68, 13.159,
346.047

 78, 13.159,
346.047

 88, 13.159,
346.047

 98, 13.159,

346.047

■ 28, 13.159,
346.047

■ 28, 13.159,
346.047

■ 26, 17.759,
347.077

■ 31, 8.536, 345.127

■ 23, 22.233,
348.247

■ 33, 3.967, 344.273

■ 21, 26.432,
349.606

■ 36, 0.505, 164.004

■ 19, 30.175,
351.218

■ 38, 4.854, 162.929

■ 18, 33.261,
353.173

■ 41, 9.067, 162.270

■ 17, 35.525,
355.580

■ 44, 13.143,
161.670

■ 46, 17.084,
161.115

■ 16, 37.616,
358.035

■ 49, 20.894,
160.597

■ 16, 37.879,
358.298

■ 52, 24.583,
160.113

Harmonies

Complementary

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



28, 13.159, 346.047



33, 12.735, 161.269

Rectangle

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



28, 13.159, 346.047



28, 13.159, 36.047



28, 13.159, 166.047



28, 13.159, 216.047

Sweetspot

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



28, 13.158, 346.049



42, 4.971, 344.311



27, 16.467, 310.331



20, 3.417, 344.386



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



28, 13.158, 346.049



34, 19.702, 346.788



28, 11.384, 21.481



15, 2.464, 344.260



21, 44.228, 359.592



50, 78.827, 2.705

Inverse Universe

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



28, 13.158, 346.049



34, 19.702, 346.788



34, 9.534, 198.092



15, 2.464, 344.260



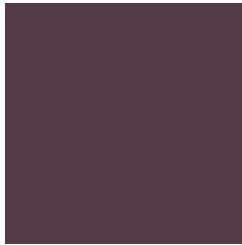
21, 44.228, 359.592



50, 78.827, 2.705

Previews

White Background



This preview shows how the CIE LCh color 28, 13.159, 346.047 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 28, 13.159, 346.047 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

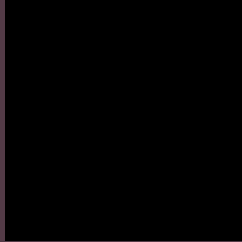
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 13.159, 346.047

Background



This preview shows how black text looks on a background with the CIELCh color 28, 13.159, 346.047.



This preview shows how white text looks on a background with the CIELCh color 28, 13.159, 346.047.

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

28, 13.159, 346.047

Protanopia

28, 5.833, 287.166

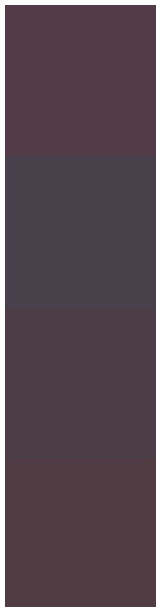
Deuteranopia

28, 4.987, 329.104



Tritanopia
28, 10.585, 3.785

Trichromacy



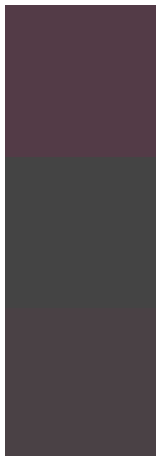
Original Color
28, 13.159, 346.047

Protanomaly
28, 7.376, 319.333

Deuteranomaly
28, 7.770, 339.084

Tritanomaly
28, 10.946, 357.263

Monochromacy



Original Color
28, 13.159, 346.047

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 4.786, 347.679

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 13.159, 346.047 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(83, 59, 71)` looks like.

```
.text, #text, p{  
    color:rgb(83, 59, 71)  
}
```

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(83, 59, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 59, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 13.159, 346.047 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(83, 59, 71) }
```

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

```
.border{ border-color:rgb(83, 59, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 59, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 59, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 59, 71);  
box-shadow:4px 4px 4px 4px rgb(83, 59, 71)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 13.159, 346.047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 59, 71) }
```

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

```
.background{ background-color: rgb(83, 59,  
71) }
```

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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