

Converting Colors

CIELCh(27, 13.808, 347.833)

Have a look what the booklet for
CIELCh(27, 13.808, 347.833)
contains.

CIELCh(27, 14.302, 346.317)	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(27, 14.302, 346.317)

Conversions

Conversions Part 1

Format	Color
Hex	523845
RGB	82, 56, 69
RGB Percent	32%, 22%, 27%
CMY	0.6773, 0.7793, 0.7283
CMYK	0.00, 0.32, 0.16, 0.68
HSL	330°, 19%, 27%
HSV	330°, 32%, 32%
XYZ	6.0140, 5.0937, 6.3406
YIQ	65.2560, 11.3230, 9.5550

Conversions

Conversions Part 2

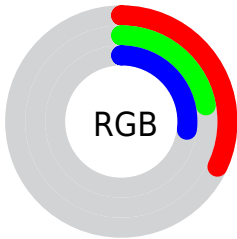
Format	Color
R_{YB}	82, 56, 69
Decimal	5388357
CIE Lab	27.00, 13.90, -3.38
CIE LCh	27, 14.302, 346.317
Yxy	5.0937, 0.3447, 0.2919
Android (android.graphics.Color)	4283578437 (0xFF523845)
YUV	65.2560, 1.8458, 14.6845
Hunter-Lab	22.5692, 8.0688, -0.8585

Details

The CIELCh color **27, 14.302, 346.317** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **33, 13.801, 161.005**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 14.444, 346.484**, and **7, 13.805, 346.020** is the 20% darker color. If you saturate the color by 10%, you get **25, 18.836, 347.380**, and if you desaturate by 10%, it is **29, 9.720, 345.372**.

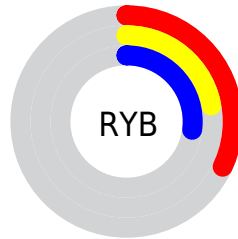
Distribution



Red (32%)

Green (22%)

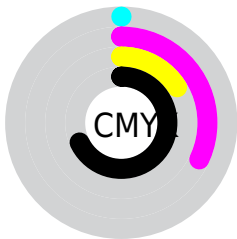
Blue (27%)



Red (32%)

Yellow (22%)

Blue (27%)

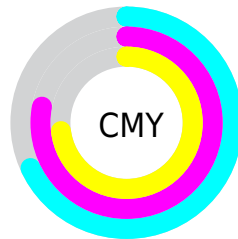


Cyan (0%)

Magenta (32%)

Yellow (16%)

Black (68%)



Cyan (68%)


Magenta (78%)


Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 14.302, 346.317 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 27, 14.302, 346.317 by changing the saturation by 10% instead.

 27, 14.302,
346.317


 27, 14.302,
346.317

 100, 14.302,
346.317


 17, 14.302,
346.317


 47, 14.302,
346.317


 7, 14.302, 346.317

 57, 14.302,
346.317

 0, 14.302, 346.317

 67, 14.302,
346.317

 77, 14.302,
346.317

 87, 14.302,
346.317

 97, 14.302,

346.317

■ 27, 14.302,
346.317

■ 27, 14.302,
346.317

■ 25, 18.836,
347.380

■ 29, 9.720, 345.372

■ 22, 23.211,
348.593

■ 32, 5.174, 344.507

■ 35, 0.715, 343.480

■ 20, 27.268,
350.011

■ 37, 3.628, 163.133

■ 19, 30.822,
351.702

■ 40, 7.840, 162.450

■ 43, 11.916,
161.837

■ 17, 33.677,
353.762

■ 45, 15.856,
161.270

■ 16, 35.771,
356.245

■ 15, 37.592,
358.231

■ 48, 19.667,
160.743

■ 51, 23.354,
160.251

Harmonies

Complementary

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



27, 14.302, 346.317



33, 13.801, 161.005

Rectangle

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



27, 14.302, 346.317



27, 14.302, 36.317



27, 14.302, 166.317



27, 14.302, 216.317

Sweetspot

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



27, 14.301, 346.319



42, 4.971, 344.314



26, 17.930, 310.464



20, 3.417, 344.388



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



27, 14.301, 346.319



33, 21.391, 347.125



27, 12.475, 21.765



15, 2.464, 344.262



21, 44.228, 359.595



50, 78.827, 2.710

Inverse Universe

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



27, 14.301, 346.319



33, 21.391, 347.125



33, 10.255, 197.979



15, 2.464, 344.262



21, 44.228, 359.595



50, 78.827, 2.710

Previews

White Background



This preview shows how the CIE LCh color 27, 14.302, 346.317 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 27, 14.302, 346.317 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

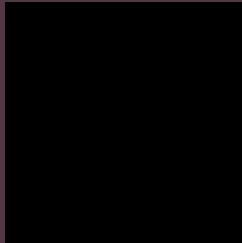
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 14.302, 346.317

Background



This preview shows how black text looks on a background with the CIELCh color 27, 14.302, 346.317.



This preview shows how white text looks on a background with the CIELCh color 27, 14.302, 346.317.

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

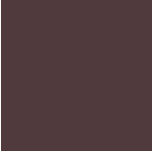
27, 14.302, 346.317

Protanopia

27, 6.542, 284.107

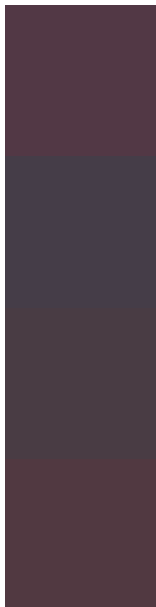
Deuteranopia

27, 4.748, 324.843



Tritanopia
27, 10.980, 7.981

Trichromacy



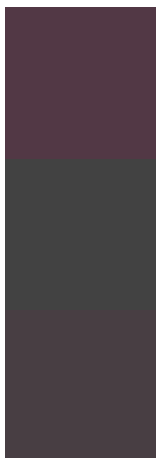
Original Color
27, 14.302, 346.317

Protanomaly
27, 8.005, 317.158

Deuteranomaly
27, 7.807, 339.113

Tritanomaly
27, 12.089, 356.543

Monochromacy



Original Color
27, 14.302, 346.317

Achromatopsia
28, 0.004, 296.813

Achromatomaly
27, 5.548, 344.666

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 14.302, 346.317 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(82, 56, 69)` looks like.

```
.text, #text, p{  
    color:rgb(82, 56, 69)  
}
```

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(82, 56, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 56, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 14.302, 346.317 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(82, 56, 69) }
```

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

```
.border{ border-color:rgb(82, 56, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 56, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 56, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 56, 69);  
box-shadow:4px 4px 4px 4px rgb(82, 56, 69)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 14.302, 346.317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 56, 69) }
```

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

```
.background{ background-color: rgb(82, 56,  
69) }
```

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