

Converting Colors

CIELCh(29, 10.766, 34.275)

Have a look what the booklet for
CIELCh(29, 10.766, 34.275) contains.

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Color

CIELCh(29, 10.849, 34.646)

Conversions

Conversions Part 1

Format	Color
Hex	553F3B
RGB	85, 63, 59
RGB Percent	33%, 25%, 23%
CMY	0.6658, 0.7521, 0.7678
CMYK	0.00, 0.26, 0.31, 0.67
HSL	9°, 18%, 28%
HSV	9°, 31%, 33%
XYZ	6.3506, 5.8380, 4.9580
YIQ	69.1220, 14.3960, 3.4200

Conversions

Conversions Part 2

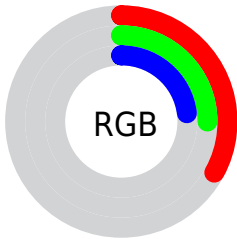
Format	Color
RYB	85, 64, 59
Decimal	5586747
CIELab	29.00, 8.93, 6.17
CIELCh	29, 10.849, 34.646
Yxy	5.8380, 0.3704, 0.3405
Android (android.graphics.Color)	4283776827 (0xFF553F3B)
YUV	69.1220, -4.9901, 13.9250
Hunter-Lab	24.1619, 4.6327, 4.7472




Details

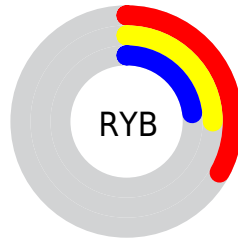
The CIELCh color **29, 10.849, 34.646** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **33, 8.916, 214.833**, and the grayscale version is **29, 0.005, 296.813**.




A 20% lighter version of the original color is **49, 10.679, 36.297**, and **9, 10.585, 35.586** is the 20% darker color. If you saturate the color by 10%, you get **27, 14.961, 35.071**, and if you desaturate by 10%, it is **31, 7.020, 34.387**.

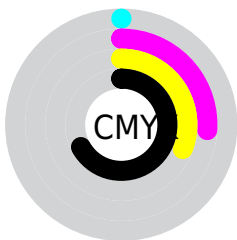
Distribution







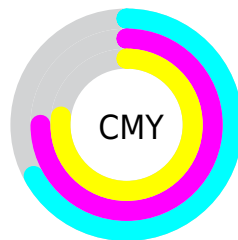
-  Red (33%)
-  Green (25%)
-  Blue (23%)






-  Red (33%)
-  Yellow (25%)
-  Blue (23%)



-  Cyan (0%)
-  Magenta (26%)
-  Yellow (31%)
-  Black (67%)



-  Cyan (67%)
-  Magenta (75%)
-  Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 29, 10.849, 34.646 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, 10.849, 34.646 by changing the saturation by 10% instead.

■ 29, 10.849, 34.646

■ 29, 10.849, 34.646

■ 100, 10.849,
34.646

■ 19, 10.849, 34.646

■ 49, 10.849, 34.646

■ 9, 10.849, 34.646

■ 59, 10.849, 34.646

■ 0, 10.849, 34.646

■ 69, 10.849, 34.646

■ 79, 10.849, 34.646

■ 89, 10.849, 34.646

■ 99, 10.849, 34.646

■ 29, 10.849, 34.646

■ 29, 10.849, 34.646

27, 14.961, 35.071

31, 7.020, 34.387

25, 19.356, 35.685

34, 3.465, 34.220

23, 24.009, 36.531

36, 0.167, 32.492

21, 28.863, 37.632

39, 2.898, 214.434

19, 33.740, 38.823

41, 5.751, 214.491

18, 37.659, 38.657

43, 8.416, 214.624

17, 40.804, 38.706

46, 10.914,
214.797

48, 13.263,
214.996

51, 15.482,
215.211

Harmonies

Complementary

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



29, 10.849, 34.646



33, 8.916, 214.833

Rectangle

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



29, 10.849, 34.646



29, 10.849, 84.646



29, 10.849, 214.646



29, 10.849, 264.646

Sweetspot

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



29, 10.848, 34.653



44, 3.630, 34.200



29, 17.972, 330.540



22, 2.552, 34.216



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, 10.848, 34.653



36, 16.670, 34.958



33, 11.480, 86.157



16, 1.856, 34.192



22, 50.442, 40.795



51, 95.234, 41.956

Inverse Universe

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



33, 8.916, 214.833



41, 12.938, 215.154



29, 11.341, 274.053



17, 1.764, 214.434



35, 23.036, 223.894



74, 40.889, 226.019

Previews

White Background



This preview shows how the CIELCh color 29, 10.849, 34.646 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, 10.849, 34.646 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

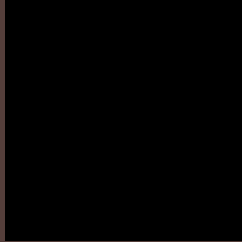
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 10.849, 34.646

Background



This preview shows how black text looks on a background with the CIELCh color 29, 10.849, 34.646.

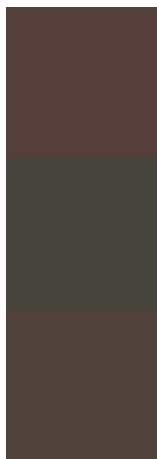


This preview shows how white text looks on a background with the CIELCh color 29, 10.849, 34.646.

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, 10.849, 34.646

Protanopia

29, 4.081, 89.694

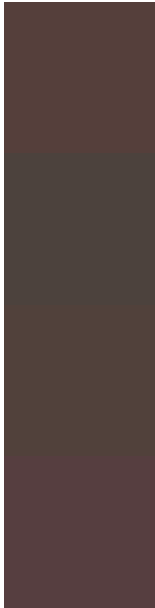
Deuteranopia

29, 7.652, 55.837



Tritanopia
29, 11.422, 5.350

Trichromacy



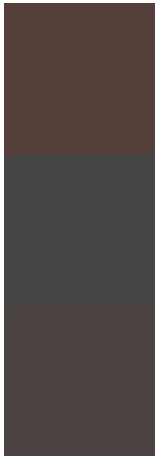
Original Color
29, 10.849, 34.646

Protanomaly
29, 5.675, 54.286

Deuteranomaly
29, 8.561, 46.986

Tritanomaly
29, 11.224, 14.940

Monochromacy



Original Color
29, 10.849, 34.646

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 3.869, 39.197

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 10.849, 34.646 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, 63, 59)` looks like.

```
.text, #text, p{  
    color:rgb(85, 63, 59)  
}
```

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, 63, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 63, 59) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 10.849, 34.646 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, 63, 59) }
```

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

```
.border{ border-color:rgb(85, 63, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 63, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 63, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 63, 59);  
box-shadow:4px 4px 4px 4px rgb(85, 63, 59)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 10.849, 34.646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 63, 59) }
```

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

```
.background{ background-color: rgb(85, 63,  
59) }
```

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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