

Converting Colors

CIELCh(28, 17.547, 324.603)

Have a look what the booklet for
CIELCh(28, 17.547, 324.603)
contains.

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Color

CIELCh(28, 17.510, 324.589)

Conversions

Conversions Part 1

Format	Color
Hex	513B52
RGB	81, 59, 82
RGB Percent	32%, 23%, 32%
CMY	0.6831, 0.7693, 0.6792
CMYK	0.01, 0.28, 0.00, 0.68
HSL	297°, 16%, 28%
HSV	297°, 28%, 32%
XYZ	6.4483, 5.4574, 8.6594
YIQ	68.2000, 5.7290, 11.8170

Conversions

Conversions Part 2

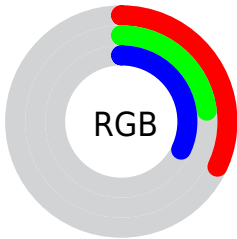
Format	Color
RYB	81, 59, 82
Decimal	5323602
CIELab	28.00, 14.27, -10.15
CIELCh	28, 17.510, 324.589
Yxy	5.4574, 0.3136, 0.2654
Android (android.graphics.Color)	4283513682 (0xFF513B52)
YUV	68.2000, 6.8034, 11.2256
Hunter-Lab	23.3610, 8.3894, -5.6247




Details

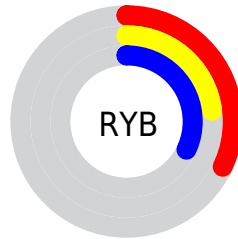
The CIELCh color **28, 17.510, 324.589** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **32, 17.467, 141.662**, and the grayscale version is **29, 0.005, 296.813**.




A 20% lighter version of the original color is **48, 17.735, 325.437**, and **8, 17.084, 325.182** is the 20% darker color. If you saturate the color by 10%, you get **26, 23.665, 325.042**, and if you desaturate by 10%, it is **30, 11.259, 324.118**.

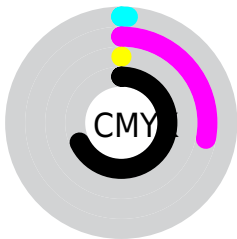
Distribution







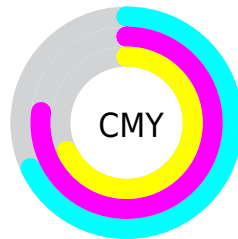
-  Red (32%)
-  Green (23%)
-  Blue (32%)






-  Red (32%)
-  Yellow (23%)
-  Blue (32%)



-  Cyan (1%)
-  Magenta (28%)
-  Yellow (0%)
-  Black (68%)




-  Cyan (68%)
-  Magenta (77%)
-  Yellow (68%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 17.510, 324.589 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, 17.510, 324.589 by changing the saturation by 10% instead.

 28, 17.510,
324.589


 28, 17.510,
324.589

 100, 17.510,
324.589


 18, 17.510,
324.589


 48, 17.510,
324.589


 8, 17.510, 324.589

 58, 17.510,
324.589

 0, 17.510, 324.589

 68, 17.510,
324.589

 78, 17.510,
324.589

 88, 17.510,
324.589

 98, 17.510,

324.589

■ 28, 17.510,
324.589

■ 28, 17.510,
324.589

■ 26, 23.665,
325.042

■ 30, 11.259,
324.118

■ 24, 29.595,
325.463

■ 33, 5.014, 323.631

■ 22, 35.130,
325.838

■ 35, 1.161, 143.300

■ 38, 7.220, 142.747

■ 20, 40.073,
326.151

■ 40, 13.137,
142.296

■ 19, 44.217,
326.385

■ 43, 18.897,
141.869

■ 18, 47.382,
326.527

■ 46, 24.493,
141.465

■ 17, 50.160,
326.637

■ 48, 29.926,
141.085

■ 17, 50.711,
326.660

■ 51, 35.199,
140.727

Harmonies

Complementary

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



28, 17.510, 324.589



32, 17.467, 141.662

Rectangle

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



28, 17.510, 324.589



28, 17.510, 14.589



28, 17.510, 144.589



28, 17.510, 194.589

Sweetspot

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



28, 17.509, 324.589



43, 6.186, 323.640



26, 14.318, 291.233



21, 4.348, 323.690



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, 17.509, 324.589



35, 26.419, 324.914



28, 13.035, 343.234



15, 3.453, 323.662



23, 60.130, 326.609



53, 107.852, 326.497

Inverse Universe

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



27, 10.853, 18.031



34, 16.768, 18.861



33, 12.719, 158.820



15, 2.021, 16.270



20, 50.637, 34.552



48, 95.653, 38.682

Previews

White Background



This preview shows how the CIE LCh color 28, 17.510, 324.589 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, 17.510, 324.589 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, 17.510, 324.589

Background



This preview shows how black text looks on a background with the CIELCh color 28, 17.510, 324.589.

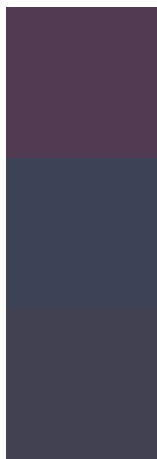


This preview shows how white text looks on a background with the CIELCh color 28, 17.510, 324.589.

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, 17.510, 324.589

Protanopia

28, 13.658, 284.639

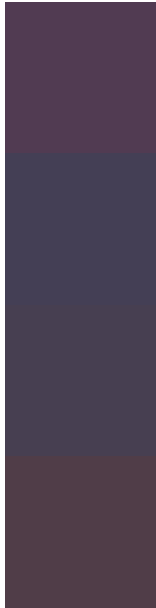
Deuteranopia

28, 10.383, 294.411



Tritanopia
28, 8.354, 358.333

Trichromacy



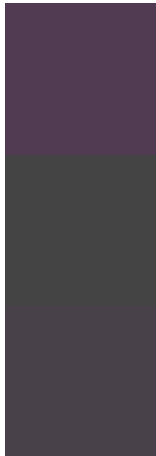
Original Color
28, 17.510, 324.589

Protanomaly
28, 14.462, 300.821

Deuteranomaly
28, 12.186, 308.117

Tritanomaly
28, 11.000, 341.366

Monochromacy



Original Color
28, 17.510, 324.589

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 6.264, 324.958

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 17.510, 324.589 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(81, 59, 82)` looks like.

```
.text, #text, p{  
    color:rgb(81, 59, 82)  
}
```

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(81, 59, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 59, 82) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 17.510, 324.589 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(81, 59, 82) }
```

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

```
.border{ border-color:rgb(81, 59, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 59, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 59, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 59, 82);  
box-shadow:4px 4px 4px 4px rgb(81, 59, 82)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 17.510, 324.589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 59, 82) }
```

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

```
.background{ background-color: rgb(81, 59,  
82) }
```

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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