

Converting Colors

CIELCh(28, 19.138, 322.063)

Have a look what the booklet for
CIELCh(28, 19.138, 322.063)
contains.

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Color

CIELCh(28, 19.342, 322.620)

Conversions

Conversions Part 1

Format	Color
Hex	513A54
RGB	81, 58, 84
RGB Percent	32%, 23%, 33%
CMY	0.6813, 0.7715, 0.6695
CMYK	0.04, 0.31, 0.00, 0.67
HSL	293°, 18%, 28%
HSV	293°, 31%, 33%
XYZ	6.5531, 5.4574, 9.1506
YIQ	67.8410, 5.3620, 12.9620

Conversions

Conversions Part 2

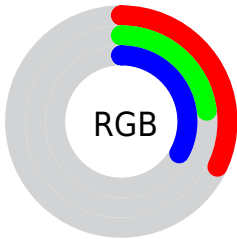
Format	Color
RYB	81, 58, 84
Decimal	5323348
CIELab	28.00, 15.37, -11.74
CIElCh	28, 19.342, 322.620
Yxy	5.4574, 0.3097, 0.2579
Android (android.graphics.Color)	4283513428 (0xFF513A54)
YUV	67.8410, 7.9664, 11.5404
Hunter-Lab	23.3610, 9.1901, -6.8714

Details

The CIELCh color **28, 19.342, 322.620** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **33, 19.210, 139.640**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **48, 19.904, 322.619**, and **8, 19.084, 322.936** is the 20% darker color. If you saturate the color by 10%, you get **26, 25.541, 323.033**, and if you desaturate by 10%, it is **30, 13.047, 322.185**.

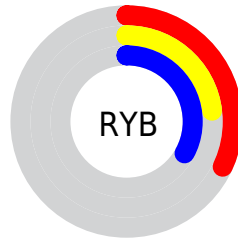
Distribution



Red (32%)

Green (23%)

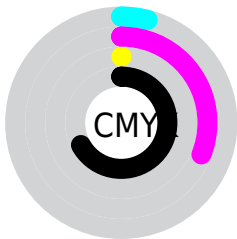
Blue (33%)



Red (32%)

Yellow (23%)

Blue (33%)

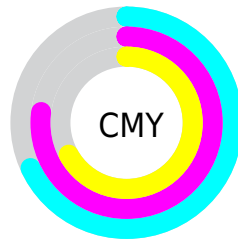


Cyan (4%)

Magenta (31%)

Yellow (0%)

Black (67%)



Cyan (68%)


Magenta (77%)


Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 19.342, 322.620 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, 19.342, 322.620 by changing the saturation by 10% instead.

 28, 19.342,
322.620


 28, 19.342,
322.620

 100, 19.342,
322.620


 18, 19.342,
322.620


 48, 19.342,
322.620


 8, 19.342, 322.620

 58, 19.342,
322.620

 0, 19.342, 322.620

 68, 19.342,
322.620

 78, 19.342,
322.620

 88, 19.342,
322.620

 98, 19.342,

322.620

■ 28, 19.342,
322.620

■ 28, 19.342,
322.620

■ 26, 25.541,
323.033

■ 30, 13.047,
322.185

■ 23, 31.512,
323.409

■ 33, 6.758, 321.737

■ 21, 37.078,
323.726

■ 36, 0.540, 321.091

■ 38, 5.565, 140.919

■ 20, 42.027,
323.962

■ 41, 11.528,
140.499

■ 18, 46.137,
324.092

■ 44, 17.338,
140.108

■ 17, 49.263,
324.102

■ 46, 22.988,
139.740

■ 16, 52.024,
324.117

■ 49, 28.478,
139.397

■ 52, 33.811,
139.076

Harmonies

Complementary

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



28, 19.342, 322.620



33, 19.210, 139.640

Rectangle

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



28, 19.342, 322.620



28, 19.342, 12.620



28, 19.342, 142.620



28, 19.342, 192.620

Sweetspot

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



28, 19.341, 322.620



43, 6.948, 321.666



27, 15.031, 288.682



22, 4.870, 321.710



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



28, 19.341, 322.620



35, 28.772, 322.929



28, 15.340, 340.113



16, 3.558, 321.643



22, 61.505, 323.992



51, 109.419, 323.716

Inverse Universe

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



28, 12.320, 12.811



34, 18.692, 13.806



33, 15.063, 155.473



16, 2.150, 10.509



21, 50.124, 31.801



49, 93.004, 35.751

Previews

White Background



This preview shows how the CIELCh color 28, 19.342, 322.620 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 CIE LCh color 28, 19.342, 322.620 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

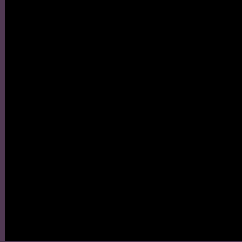
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 19.342, 322.620

Background



This preview shows how black text looks on a background with the CIELCh color 28, 19.342, 322.620.



This preview shows how white text looks on a background with the CIELCh color 28, 19.342, 322.620.

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, 19.342, 322.620

Protanopia

28, 16.276, 285.327

Deuteranopia

28, 11.661, 290.448



Tritanopia
28, 8.354, 358.333

Trichromacy



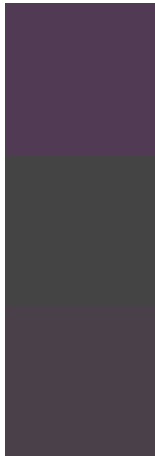
Original Color
28, 19.342, 322.620

Protanomaly
28, 16.334, 298.730

Deuteranomaly
28, 13.335, 304.962

Tritanomaly
28, 11.399, 338.824

Monochromacy



Original Color
28, 19.342, 322.620

Achromatopsia
29, 0.005, 296.813

Achromatomaly
28, 7.589, 322.287

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 19.342, 322.620 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, 58, 84)` looks like.

```
.text, #text, p{  
    color:rgb(81, 58, 84)  
}
```

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, 58, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 58, 84) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 19.342, 322.620 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, 58, 84) }
```

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

```
.border{ border-color:rgb(81, 58, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 58, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 58, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 58, 84);  
box-shadow:4px 4px 4px 4px rgb(81, 58, 84)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 19.342, 322.620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 58, 84) }
```

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

```
.background{ background-color: rgb(81, 58,  
84) }
```

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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