

Converting Colors

CIELCh(28, 25.878, 316.541)

Have a look what the booklet for
CIELCh(28, 25.878, 316.541)
contains.

CIELCh(28, 25.827, 316.526)	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(28, 25.827, 316.526)

Conversions

Conversions Part 1

Format	Color
Hex	52395E
RGB	82, 57, 94
RGB Percent	32%, 22%, 37%
CMY	0.6802, 0.7781, 0.6332
CMYK	0.13, 0.40, 0.00, 0.63
HSL	281°, 25%, 29%
HSV	281°, 40%, 37%
XYZ	6.8819, 5.4574, 11.1722
YIQ	68.6930, 3.0230, 16.8070

Conversions

Conversions Part 2

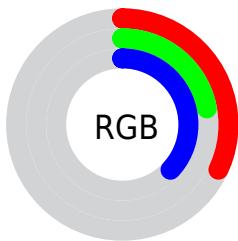
Format	Color
RYB	82, 57, 94
Decimal	5388638
CIELab	28.00, 18.74, -17.77
CIELCh	28, 25.827, 316.526
Yxy	5.4574, 0.2927, 0.2321
Android (android.graphics.Color)	4283578718 (0xFF52395E)
YUV	68.6930, 12.4764, 11.6702
Hunter-Lab	23.3610, 11.7020, -12.0022




Details

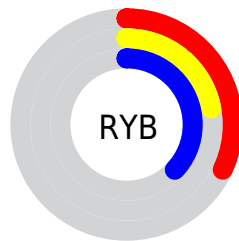
The CIELCh color **28, 25.827, 316.526** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **37, 25.058, 133.188**, and the grayscale version is **29, 0.005, 296.813**.




A 20% lighter version of the original color is **48, 25.711, 316.082**, and **8, 26.204, 316.439** is the 20% darker color. If you saturate the color by 10%, you get **25, 32.366, 316.902**, and if you desaturate by 10%, it is **31, 19.202, 316.122**.

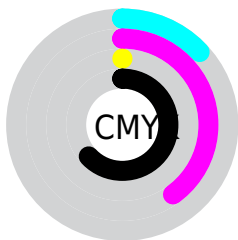
Distribution







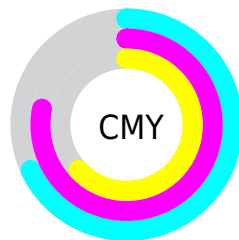
-  Red (32%)
-  Green (22%)
-  Blue (37%)






-  Red (32%)
-  Yellow (22%)
-  Blue (37%)



-  Cyan (13%)
-  Magenta (40%)
-  Yellow (0%)
-  Black (63%)





-  Cyan (68%)
-  Magenta (78%)
-  Yellow (63%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 25.827, 316.526 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, 25.827, 316.526 by changing the saturation by 10% instead.

 28, 25.827,
316.526


 28, 25.827,
316.526

 100, 25.827,
316.526


 18, 25.827,
316.526


 48, 25.827,
316.526


 8, 25.827, 316.526

 58, 25.827,
316.526

 0, 25.827, 316.526

 68, 25.827,
316.526

 78, 25.827,
316.526

 88, 25.827,
316.526

 98, 25.827,

316.526

■ 28, 25.827,
316.526

■ 28, 25.827,
316.526

■ 25, 32.366,
316.902

■ 31, 19.202,
316.122

■ 23, 38.663,
317.221

■ 34, 12.599,
315.712

■ 20, 44.497,
317.443

■ 37, 6.085, 315.303

■ 40, 0.298, 135.272

■ 18, 49.590,
317.518

■ 43, 6.529, 134.593

■ 16, 53.634,
317.389

■ 46, 12.597,
134.252

■ 15, 57.359,
317.252

■ 49, 18.499,
133.943

■ 15, 57.552,
317.250

■ 52, 24.237,
133.663

■ 55, 29.815,
133.410

Harmonies

Complementary

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



28, 25.827, 316.526



37, 25.058, 133.188

Rectangle

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



28, 25.827, 316.526



28, 25.827, 6.526



28, 25.827, 136.526



28, 25.827, 186.526

Sweetspot

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



28, 25.826, 316.526



47, 9.599, 315.420



29, 16.293, 277.112



23, 6.312, 315.449



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



28, 25.826, 316.526



34, 38.340, 316.865



29, 24.723, 331.682



17, 3.524, 315.274



18, 64.422, 317.065



44, 113.986, 316.445

Inverse Universe

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



29, 18.286, 358.530



35, 27.237, 359.925



36, 24.676, 146.501



17, 2.446, 354.982



22, 46.049, 15.939



50, 82.475, 19.855

Previews

White Background



This preview shows how the CIELCh color 28, 25.827, 316.526 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, 25.827, 316.526 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

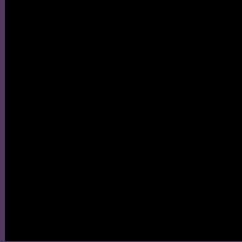
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 25.827, 316.526

Background



This preview shows how black text looks on a background with the CIELCh color 28, 25.827, 316.526.



This preview shows how white text looks on a background with the CIELCh color 28, 25.827, 316.526.

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, 25.827, 316.526

Protanopia
28, 23.418, 285.361

Deuteranopia
28, 16.958, 283.337



Tritanopia
28, 7.931, 356.942

Trichromacy



Original Color
28, 25.827, 316.526

Protanomaly
28, 23.380, 296.296

Deuteranomaly
28, 19.533, 298.245

Tritanomaly
28, 13.718, 328.694

Monochromacy



Original Color
28, 25.827, 316.526

Achromatopsia
29, 0.005, 296.813

Achromatomaly
28, 9.287, 316.122

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 25.827, 316.526 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, 57, 94)` looks like.

```
.text, #text, p{  
    color:rgb(82, 57, 94)  
}
```

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, 57, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 57, 94) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 25.827, 316.526 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, 57, 94) }
```

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

```
.border{ border-color:rgb(82, 57, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 57, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 57, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 57, 94);  
box-shadow:4px 4px 4px 4px rgb(82, 57, 94)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 25.827, 316.526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 57, 94) }
```

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

```
.background{ background-color: rgb(82, 57,  
94) }
```

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