

Converting Colors

CIELCh(28, 25.946, 327.848)

Have a look what the booklet for
CIELCh(28, 25.946, 327.848)
contains.

CIELCh(28, 25.938, 327.194)	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, 25.938, 327.194)

Conversions

Conversions Part 1

Format	Color
Hex	593658
RGB	89, 54, 88
RGB Percent	35%, 21%, 35%
CMY	0.6512, 0.7885, 0.6551
CMYK	0.00, 0.39, 0.01, 0.65
HSL	302°, 24%, 28%
HSV	302°, 39%, 35%
XYZ	7.1894, 5.4574, 9.8939
YIQ	68.3410, 9.9460, 17.9940

Conversions

Conversions Part 2

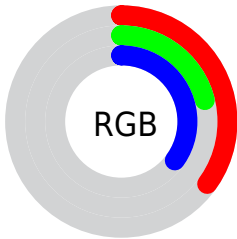
Format	Color
R_YB	89, 54, 88
Decimal	5846616
CIE Lab	28.00, 21.80, -14.05
CIE LCh	28, 25.938, 327.194
Yxy	5.4574, 0.3190, 0.2421
Android (android.graphics.Color)	4284036696 (0xFF593658)
YUV	68.3410, 9.6919, 18.1179
Hunter-Lab	23.3610, 14.0516, -8.7580

Details

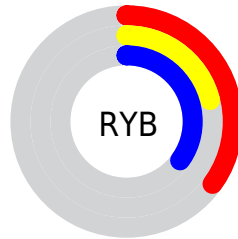
The CIELCh color **28, 25.938, 327.194** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **34, 25.966, 142.519**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **48, 25.707, 327.355**, and **8, 25.857, 327.476** is the 20% darker color. If you saturate the color by 10%, you get **26, 32.126, 327.663**, and if you desaturate by 10%, it is **30, 19.449, 326.699**.

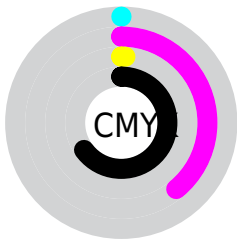
Distribution



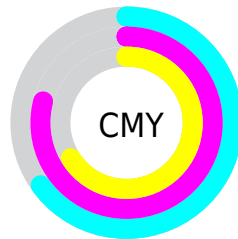
- Red (35%)
- Green (21%)
- Blue (35%)



- Red (35%)
- Yellow (21%)
- Blue (35%)



- Cyan (0%)
- Magenta (39%)
- Yellow (1%)
- Black (65%)



- Cyan (65%)
- Magenta (79%)
- Yellow (66%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 25.938, 327.194 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, 25.938, 327.194 by changing the saturation by 10% instead.

 28, 25.938,
327.194


 28, 25.938,
327.194

 100, 25.938,
327.194


 18, 25.938,
327.194


 48, 25.938,
327.194


 8, 25.938, 327.194

 58, 25.938,
327.194

 0, 25.938, 327.194

 68, 25.938,
327.194

 78, 25.938,
327.194

 88, 25.938,
327.194

 98, 25.938,

327.194

■ 28, 25.938,
327.194

■ 28, 25.938,
327.194

■ 26, 32.126,
327.663

■ 30, 19.449,
326.699

■ 24, 37.821,
328.095

■ 33, 12.820,
326.187

■ 22, 42.801,
328.477

■ 35, 6.168, 325.663

■ 21, 46.850,
328.802

■ 38, 0.423, 145.527

■ 20, 49.801,
329.064

■ 41, 6.899, 144.702

■ 19, 52.326,
329.299

■ 43, 13.224,
144.209

■ 46, 19.380,
143.741

■ 19, 52.497,
329.314

■ 49, 25.359,
143.297

■ 52, 31.158,
142.876

Harmonies

Complementary

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



28, 25.938, 327.194



34, 25.966, 142.519

Rectangle

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



28, 25.938, 327.194



28, 25.938, 17.194



28, 25.938, 147.194



28, 25.938, 197.194

Sweetspot

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



28, 25.937, 327.194



44, 9.786, 325.824



24, 23.200, 295.397



22, 6.545, 325.861



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



28, 25.937, 327.194



34, 37.804, 327.624



27, 18.822, 348.146



16, 3.615, 325.631



24, 59.753, 329.340



55, 106.068, 329.417

Inverse Universe

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



28, 25.937, 327.194



34, 37.804, 327.624



35, 17.945, 161.029



16, 3.615, 325.631



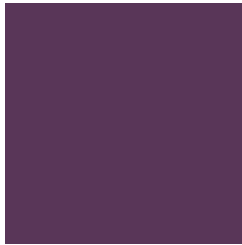
24, 59.753, 329.340



55, 106.068, 329.417

Previews

White Background



This preview shows how the CIELCh color 28, 25.938, 327.194 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, 25.938, 327.194 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

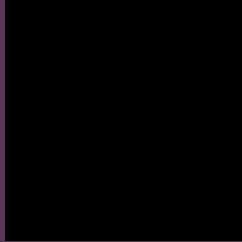
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 25.938, 327.194

Background



This preview shows how black text looks on a background with the CIELCh color 28, 25.938, 327.194.



This preview shows how white text looks on a background with the CIELCh color 28, 25.938, 327.194.

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, 25.938, 327.194

Protanopia

28, 20.824, 285.317

Deuteranopia

28, 13.604, 289.478



Tritanopia
28, 12.875, 7.536

Trichromacy



Original Color
28, 25.938, 327.194

Protanomaly
28, 21.652, 301.148

Deuteranomaly
28, 17.514, 307.812

Tritanomaly
28, 16.682, 344.757

Monochromacy



Original Color
28, 25.938, 327.194

Achromatopsia
29, 0.005, 296.813

Achromatomaly
28, 9.619, 327.448

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 25.938, 327.194 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(89, 54, 88)` looks like.

```
.text, #text, p{  
    color:rgb(89, 54, 88)  
}
```

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(89, 54, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 54, 88) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 25.938, 327.194 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(89, 54, 88) }
```

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

```
.border{ border-color:rgb(89, 54, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 54, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 54, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 54, 88);  
box-shadow:4px 4px 4px 4px rgb(89, 54, 88)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 25.938, 327.194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 54, 88) }
```

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

```
.background{ background-color: rgb(89, 54,  
88) }
```

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