

Converting Colors

CIELCh(28, 20.926, 338.881)

Have a look what the booklet for
CIELCh(28, 20.926, 338.881)
contains.

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Color

CIELCh(28, 20.926, 338.881)

Conversions

Conversions Part 1

Format	Color
Hex	5A374E
RGB	90, 55, 78
RGB Percent	35%, 22%, 31%
CMY	0.6470, 0.7843, 0.6941
CMYK	0.00, 0.39, 0.13, 0.65
HSL	321°, 24%, 28%
HSV	321°, 39%, 35%
XYZ	6.9592, 5.4574, 7.8958
YIQ	68.0870, 13.4770, 14.5730

Conversions

Conversions Part 2

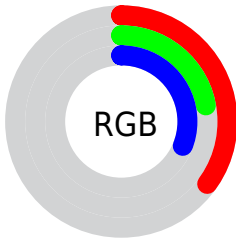
Format	Color
R_{YB}	90, 55, 78
Decimal	5912398
CIE Lab	28.00, 19.52, -7.54
CIE LCh	28, 20.926, 338.881
Yxy	5.4574, 0.3426, 0.2687
Android (android.graphics.Color)	4284102478 (0xFF5A374E)
YUV	68.0870, 4.8871, 19.2177
Hunter-Lab	23.3610, 12.2933, -3.6868

Details

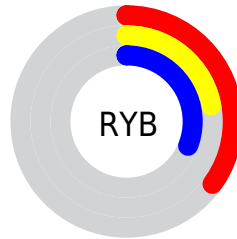
The CIELCh color $[28, 20.926, 338.881]$ is a dark color, and the websafe version is hex 663366 . A complement of this color would be $[35, 20.592, 152.948]$, and the grayscale version is $[29, 0.005, 296.813]$.

A 20% lighter version of the original color is $[48, 20.658, 339.216]$, and $[8, 20.794, 338.504]$ is the 20% darker color. If you saturate the color by 10%, you get $[26, 26.064, 339.757]$, and if you desaturate by 10%, it is $[30, 15.575, 338.077]$.

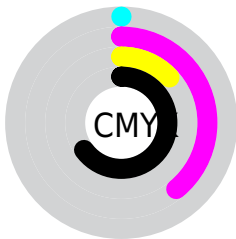
Distribution



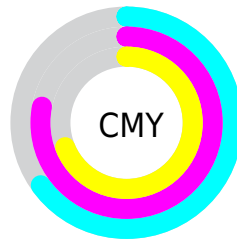
- Red (35%)
- Green (22%)
- Blue (31%)



- Red (35%)
- Yellow (22%)
- Blue (31%)



- Cyan (0%)
- Magenta (39%)
- Yellow (13%)
- Black (65%)





- Cyan (65%)
- Magenta (78%)
- Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 20.926, 338.881 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, 20.926, 338.881 by changing the saturation by 10% instead.

 28, 20.926,
338.881


 28, 20.926,
338.881

 100, 20.926,
338.881


 18, 20.926,
338.881


 48, 20.926,
338.881


 8, 20.926, 338.881

 58, 20.926,
338.881

 0, 20.926, 338.881

 68, 20.926,
338.881

 78, 20.926,
338.881

 88, 20.926,
338.881

 98, 20.926,

338.881

■ 28, 20.926,
338.881

■ 28, 20.926,
338.881

■ 26, 26.064,
339.757

■ 30, 15.575,
338.077

■ 24, 30.817,
340.726

■ 33, 10.150,
337.328

■ 22, 34.967,
341.820

■ 36, 4.742, 336.613

■ 20, 38.285,
343.085

■ 39, 0.586, 156.342

■ 19, 40.573,
344.583

■ 41, 5.796, 155.427

■ 18, 42.431,
346.156

■ 44, 10.869,
154.836

■ 47, 15.796,
154.289

■ 18, 42.655,
346.323

■ 50, 20.575,
153.775

■ 53, 25.211,
153.291

Harmonies

Complementary

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



28, 20.926, 338.881



35, 20.592, 152.948

Rectangle

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



28, 20.926, 338.881



28, 20.926, 28.881



28, 20.926, 158.881



28, 20.926, 208.881

Sweetspot

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



28, 20.925, 338.882



45, 7.990, 336.862



26, 23.485, 305.415



22, 5.249, 336.910



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, 20.925, 338.882



34, 31.187, 339.724



27, 16.770, 10.025



17, 3.040, 336.610



23, 48.753, 346.929



52, 84.891, 348.599

Inverse Universe

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



28, 20.925, 338.882



34, 31.187, 339.724



36, 14.177, 182.585



17, 3.040, 336.610



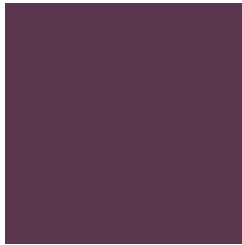
23, 48.753, 346.929



52, 84.891, 348.599

Previews

White Background



This preview shows how the CIELCh color 28, 20.926, 338.881 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, 20.926, 338.881 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

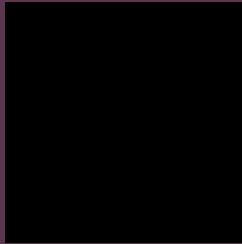
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 20.926, 338.881

Background



This preview shows how black text looks on a background with the CIELCh color 28, 20.926, 338.881.

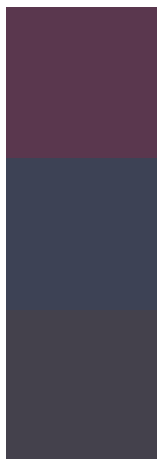


This preview shows how white text looks on a background with the CIELCh color 28, 20.926, 338.881.

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, 20.926, 338.881

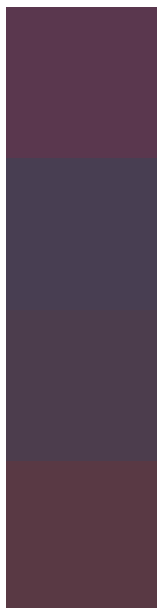
Protanopia
28, 12.388, 283.451

Deuteranopia
28, 7.261, 301.603



Tritanopia
28, 14.241, 11.867

Trichromacy



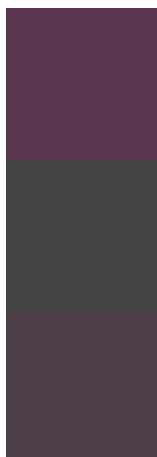
Original Color
28, 20.926, 338.881

Protanomaly
28, 13.679, 310.115

Deuteranomaly
28, 12.234, 323.697

Tritanomaly
28, 16.041, 356.672

Monochromacy



Original Color
28, 20.926, 338.881

Achromatopsia
29, 0.005, 296.813

Achromatomaly
28, 8.181, 335.655

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 20.926, 338.881 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(90, 55, 78)` looks like.

```
.text, #text, p{  
    color:rgb(90, 55, 78)  
}
```

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(90, 55, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 55, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 20.926, 338.881 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(90, 55, 78) }
```

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

```
.border{ border-color:rgb(90, 55, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 55, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 55, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 55, 78);  
box-shadow:4px 4px 4px 4px rgb(90, 55, 78)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 20.926, 338.881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 55, 78) }
```

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

```
.background{ background-color: rgb(90, 55,  
78) }
```

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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