

Converting Colors

CIELCh(28, 22.345, 315.733)

Have a look what the booklet for
CIELCh(28, 22.345, 315.733)
contains.

CIELCh(28, 22.392, 315.747)	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, 22.392, 315.747)

Conversions

Conversions Part 1

Format	Color
Hex	4F3A5A
RGB	79, 58, 90
RGB Percent	31%, 23%, 35%
CMY	0.6894, 0.7718, 0.6463
CMYK	0.12, 0.35, 0.00, 0.65
HSL	279°, 22%, 29%
HSV	279°, 35%, 35%
XYZ	6.6175, 5.4574, 10.4222
YIQ	67.9270, 2.2440, 14.4040

Conversions

Conversions Part 2

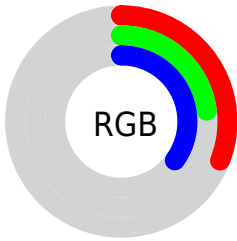
Format	Color
R_{YB}	79, 58, 90
Decimal	5192282
CIE _{Lab}	28.00, 16.04, -15.63
CIE _{LCh}	28, 22.392, 315.747
Yxy	5.4574, 0.2941, 0.2426
Android (android.graphics.Color)	4283382362 (0xFF4F3A5A)
YUV	67.9270, 10.8820, 9.7110
Hunter-Lab	23.3610, 9.6818, -10.0987




Details

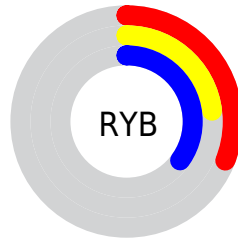
The CIELCh color $28, 22.392, 315.747$ is a dark color, and the websafe version is hex 333366 . A complement of this color would be $36, 21.751, 132.798$, and the grayscale version is $29, 0.005, 296.813$.




A 20% lighter version of the original color is $48, 22.651, 316.309$, and $8, 21.998, 316.086$ is the 20% darker color. If you saturate the color by 10%, you get $25, 28.784, 316.142$, and if you desaturate by 10%, it is $31, 15.976, 315.336$.

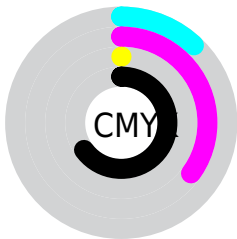
Distribution







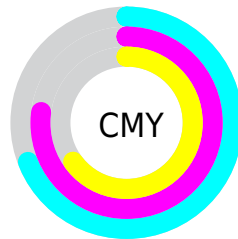
-  Red (31%)
-  Green (23%)
-  Blue (35%)






-  Red (31%)
-  Yellow (23%)
-  Blue (35%)



-  Cyan (12%)
-  Magenta (35%)
-  Yellow (0%)
-  Black (65%)



-  Cyan (69%)
-  Magenta (77%)
-  Yellow (65%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 22.392, 315.747 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, 22.392, 315.747 by changing the saturation by 10% instead.

 28, 22.392,
315.747

 28, 22.392,
315.747

 100, 22.392,
315.747

 18, 22.392,
315.747


 48, 22.392,
315.747

 8, 22.392, 315.747

 58, 22.392,
315.747

 0, 22.392, 315.747

 68, 22.392,
315.747

 78, 22.392,
315.747

 88, 22.392,
315.747

 98, 22.392,

315.747

■ 28, 22.392,
315.747

■ 28, 22.392,
315.747

■ 25, 28.784,
316.142

■ 31, 15.976,
315.336

■ 23, 35.031,
316.496

■ 34, 9.621, 314.926

■ 20, 40.947,
316.774

■ 37, 3.376, 314.515

■ 40, 2.730, 134.207

■ 18, 46.289,
316.929

■ 43, 8.682, 133.838

■ 16, 50.763,
316.904

■ 46, 14.474,
133.515

■ 14, 54.475,
316.748

■ 49, 20.106,
133.224

■ 14, 56.292,
316.740

■ 52, 25.582,
132.960

■ 54, 30.906,
132.723

Harmonies

Complementary

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



28, 22.392, 315.747



36, 21.751, 132.798

Rectangle

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



28, 22.392, 315.747



28, 22.392, 5.747



28, 22.392, 135.747



28, 22.392, 185.747

Sweetspot

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



28, 22.391, 315.747



45, 8.448, 314.757



29, 13.864, 274.992



22, 5.623, 314.789



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, 22.391, 315.747



34, 33.782, 316.100



29, 21.854, 330.844



17, 3.507, 314.655



18, 64.647, 316.500



43, 114.423, 315.860

Inverse Universe

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



29, 16.004, 356.625



35, 24.200, 357.876



35, 21.811, 146.363



17, 2.472, 353.698



22, 45.805, 14.189



50, 81.811, 18.049

Previews

White Background



This preview shows how the CIELCh color 28, 22.392, 315.747 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, 22.392, 315.747 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

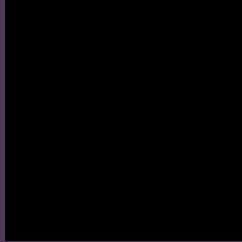
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 22.392, 315.747

Background



This preview shows how black text looks on a background with the CIELCh color 28, 22.392, 315.747.



This preview shows how white text looks on a background with the CIELCh color 28, 22.392, 315.747.

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, 22.392, 315.747

Protanopia

28, 20.194, 284.869

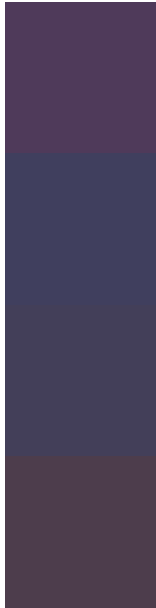
Deuteranopia

28, 15.602, 286.171



Tritanopia
28, 6.683, 351.802

Trichromacy



Original Color
28, 22.392, 315.747

Protanomaly
28, 20.116, 295.010

Deuteranomaly
28, 16.975, 298.602

Tritanomaly
28, 11.942, 327.214

Monochromacy



Original Color
28, 22.392, 315.747

Achromatopsia
29, 0.005, 296.813

Achromatomaly
28, 8.529, 315.256

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 22.392, 315.747 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(79, 58, 90)` looks like.

```
.text, #text, p{  
    color:rgb(79, 58, 90)  
}
```

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(79, 58, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 58, 90) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 22.392, 315.747 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(79, 58, 90) }
```

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

```
.border{ border-color:rgb(79, 58, 90) }
```

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

Here you see how a box with a 4 pixel rgb(79, 58, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 58, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 58, 90);  
box-shadow:4px 4px 4px 4px rgb(79, 58, 90)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 22.392, 315.747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 58, 90) }
```

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

```
.background{ background-color: rgb(79, 58,  
90) }
```

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