

Converting Colors

CIELCh(28, 23.648, 325.762)

Have a look what the booklet for
CIELCh(28, 23.648, 325.762)
contains.

CIELCh(28, 23.381, 325.275)	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, 23.381, 325.275)

Conversions

Conversions Part 1

Format	Color
Hex	563857
RGB	86, 56, 87
RGB Percent	34%, 22%, 34%
CMY	0.6637, 0.7813, 0.6598
CMYK	0.01, 0.36, 0.00, 0.66
HSL	298°, 22%, 28%
HSV	298°, 36%, 34%
XYZ	6.9290, 5.4574, 9.6535
YIQ	68.5040, 7.9290, 16.0010

Conversions

Conversions Part 2

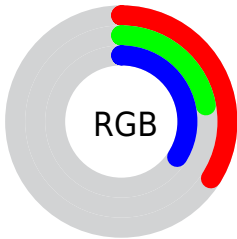
Format	Color
R_{YB}	86, 56, 87
Decimal	5650519
CIE _{Lab}	28.00, 19.22, -13.32
CIE _{LCh}	28, 23.381, 325.275
Yxy	5.4574, 0.3144, 0.2476
Android (android.graphics.Color)	4283840599 (0xFF563857)
YUV	68.5040, 9.1185, 15.3440
Hunter-Lab	23.3610, 12.0619, -8.1477

Details

The CIELCh color $28, 23.381, 325.275$ is a dark color, and the websafe version is hex 663366 . A complement of this color would be $34, 23.346, 141.346$, and the grayscale version is $29, 0.005, 296.813$.

A 20% lighter version of the original color is $48, 23.032, 324.850$, and $8, 23.634, 325.142$ is the 20% darker color. If you saturate the color by 10%, you get $26, 29.672, 325.714$, and if you desaturate by 10%, it is $30, 16.873, 324.808$.

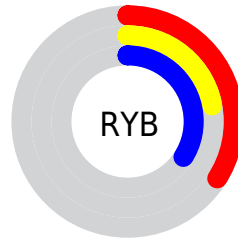
Distribution



Red (34%)

Green (22%)

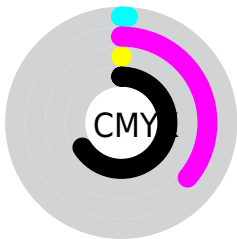
Blue (34%)



Red (34%)

Yellow (22%)

Blue (34%)

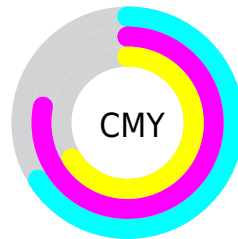


Cyan (1%)

Magenta (36%)

Yellow (0%)

Black (66%)



Cyan (66%)


Magenta (78%)


Yellow (66%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 23.381, 325.275 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, 23.381, 325.275 by changing the saturation by 10% instead.

 28, 23.381,
325.275


 28, 23.381,
325.275

 100, 23.381,
325.275


 18, 23.381,
325.275


 48, 23.381,
325.275


 8, 23.381, 325.275

 58, 23.381,
325.275

 0, 23.381, 325.275

 68, 23.381,
325.275

 78, 23.381,
325.275

 88, 23.381,
325.275

 98, 23.381,

325.275

■ 28, 23.381,
325.275

■ 28, 23.381,
325.275

■ 26, 29.672,
325.714

■ 30, 16.873,
324.808

■ 24, 35.577,
326.110

■ 33, 10.288,
324.323

■ 22, 40.887,
326.448

■ 35, 3.721, 323.816

■ 21, 45.382,
326.712

■ 38, 2.759, 143.425

■ 19, 48.866,
326.888

■ 41, 9.108, 142.925

■ 19, 51.569,
327.000

■ 43, 15.301,
142.469

■ 46, 21.325,
142.037

■ 18, 52.762,
327.052

■ 49, 27.173,
141.629

■ 52, 32.848,
141.244

Harmonies

Complementary

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



28, 23.381, 325.275



34, 23.346, 141.346

Rectangle

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



28, 23.381, 325.275



28, 23.381, 15.275



28, 23.381, 145.275



28, 23.381, 195.275

Sweetspot

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



28, 23.380, 325.275



44, 8.885, 324.107



25, 19.747, 293.041



21, 5.907, 324.143



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, 23.380, 325.275



34, 34.559, 325.659



28, 17.238, 344.878



16, 3.648, 323.977



24, 61.124, 327.021



54, 108.671, 326.940

Inverse Universe

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



27, 14.859, 19.815



33, 22.690, 21.041



34, 16.671, 158.865



16, 2.127, 17.190



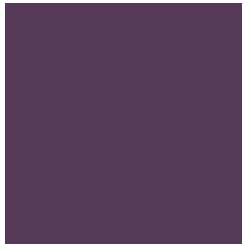
21, 51.938, 35.297



49, 96.885, 39.024

Previews

White Background



This preview shows how the CIELCh color 28, 23.381, 325.275 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, 23.381, 325.275 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, 23.381, 325.275

Background



This preview shows how black text looks on a background with the CIELCh color 28, 23.381, 325.275.



This preview shows how white text looks on a background with the CIELCh color 28, 23.381, 325.275.

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, 23.381, 325.275

Protanopia

28, 18.891, 284.932

Deuteranopia

28, 12.961, 289.175



Tritanopia
28, 11.032, 4.631

Trichromacy



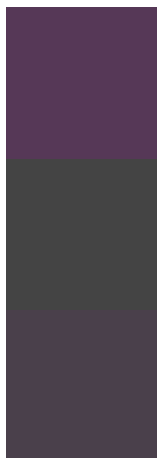
Original Color
28, 23.381, 325.275

Protanomaly
28, 18.975, 299.502

Deuteranomaly
28, 16.050, 306.063

Tritanomaly
28, 14.945, 342.098

Monochromacy



Original Color
28, 23.381, 325.275

Achromatopsia
29, 0.005, 296.813

Achromatomaly
28, 8.357, 322.601

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 23.381, 325.275 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(86, 56, 87)` looks like.

```
.text, #text, p{  
    color:rgb(86, 56, 87)  
}
```

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(86, 56, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 56, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 23.381, 325.275 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(86, 56, 87) }
```

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

```
.border{ border-color:rgb(86, 56, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 56, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 56, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 56, 87);  
box-shadow:4px 4px 4px 4px rgb(86, 56, 87)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 23.381, 325.275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 56, 87) }
```

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

```
.background{ background-color: rgb(86, 56,  
87) }
```

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