

Converting Colors

CIELCh(28, 12.666, 303.317)

Have a look what the booklet for
CIELCh(28, 12.666, 303.317)
contains.

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Color

CIELCh(28, 12.622, 303.708)

Conversions

Conversions Part 1

Format	Color
Hex	453F52
RGB	69, 63, 82
RGB Percent	27%, 25%, 32%
CMY	0.7287, 0.7523, 0.6777
CMYK	0.16, 0.23, 0.00, 0.68
HSL	259°, 13%, 29%
HSV	259°, 23%, 32%
XYZ	5.7833, 5.4574, 8.7667
YIQ	66.9600, -2.5230, 7.1810

Conversions

Conversions Part 2

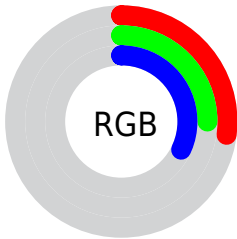
Format	Color
RYB	69, 63, 82
Decimal	4538194
CIELab	28.00, 7.00, -10.50
CIElCh	28, 12.622, 303.708
Yxy	5.4574, 0.2891, 0.2728
Android (android.graphics.Color)	4282728274 (0xFF453F52)
YUV	66.9600, 7.4147, 1.7891
Hunter-Lab	23.3610, 3.3080, -5.8972

Details

The CIELCh color **28, 12.622, 303.708** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **34, 12.126, 121.209**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 12.076, 302.704**, and **8, 12.247, 302.475** is the 20% darker color. If you saturate the color by 10%, you get **25, 18.359, 304.387**, and if you desaturate by 10%, it is **31, 7.052, 303.093**.

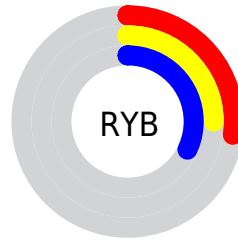
Distribution



Red (27%)

Green (25%)

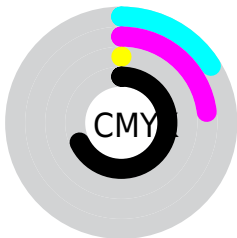
Blue (32%)



Red (27%)

Yellow (25%)

Blue (32%)

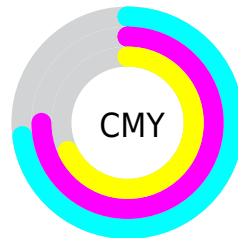


Cyan (16%)

Magenta (23%)

Yellow (0%)

Black (68%)



Cyan (73%)


Magenta (75%)


Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 12.622, 303.708 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, 12.622, 303.708 by changing the saturation by 10% instead.

 28, 12.622,
303.708


 28, 12.622,
303.708

 100, 12.622,
303.708


 18, 12.622,
303.708


 48, 12.622,
303.708


 8, 12.622, 303.708

 58, 12.622,
303.708

 0, 12.622, 303.708

 68, 12.622,
303.708

 78, 12.622,
303.708

 88, 12.622,
303.708

 98, 12.622,

303.708

■ 28, 12.622,
303.708

■ 28, 12.622,
303.708

■ 25, 18.359,
304.387

■ 31, 7.052, 303.093

■ 22, 24.247,
305.129

■ 34, 1.657, 302.535

■ 19, 30.241,
305.919

■ 37, 3.566, 122.078

■ 16, 36.250,
306.728

■ 40, 8.624, 121.649

■ 14, 42.107,
307.500

■ 43, 13.523,
121.276

■ 11, 47.533,
308.149

■ 46, 18.273,
120.951

■ 49, 22.881,
120.668

■ 9, 52.424, 308.692

■ 52, 27.356,
120.421

■ 8, 56.257, 309.349

■ 55, 31.704,
120.208

Harmonies

Complementary

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



28, 12.622, 303.708



34, 12.126, 121.209

Rectangle

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



28, 12.622, 303.708



28, 12.622, 353.708



28, 12.622, 123.708



28, 12.622, 173.708

Sweetspot

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



28, 12.621, 303.707



43, 4.638, 302.761



32, 6.391, 233.436



21, 2.979, 302.771



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



28, 12.621, 303.707



35, 19.191, 304.097



29, 13.860, 319.740



15, 2.964, 302.842



12, 66.809, 309.050



32, 120.795, 308.403

Inverse Universe

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



29, 11.769, 336.431



37, 17.753, 336.852



33, 13.723, 137.766



15, 2.804, 335.439



22, 47.942, 344.855



51, 84.871, 346.418

Previews

White Background



This preview shows how the CIELCh color 28, 12.622, 303.708 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, 12.622, 303.708 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

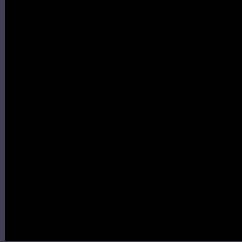
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 12.622, 303.708

Background



This preview shows how black text looks on a background with the CIELCh color 28, 12.622, 303.708.



This preview shows how white text looks on a background with the CIELCh color 28, 12.622, 303.708.

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, 12.622, 303.708

Protanopia

28, 12.340, 287.044

Deuteranopia

28, 11.015, 292.287



Tritanopia
28, 3.372, 305.804

Trichromacy



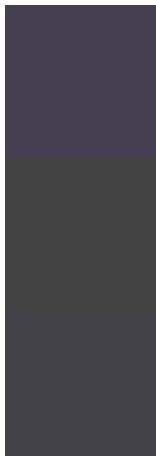
Original Color
28, 12.622, 303.708

Protanomaly
28, 12.348, 294.403

Deuteranomaly
28, 11.766, 298.349

Tritanomaly
28, 6.740, 306.117

Monochromacy



Original Color
28, 12.622, 303.708

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 4.623, 301.778

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 12.622, 303.708 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(69, 63, 82)` looks like.

```
.text, #text, p{  
    color:rgb(69, 63, 82)  
}
```

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(69, 63, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 63, 82) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 12.622, 303.708 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(69, 63, 82) }
```

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

```
.border{ border-color:rgb(69, 63, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 63, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 63, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 63, 82);  
box-shadow:4px 4px 4px 4px rgb(69, 63, 82)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 12.622, 303.708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 63, 82) }
```

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

```
.background{ background-color: rgb(69, 63,  
82) }
```

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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