

Converting Colors

CIELCh(28, 13.452, 333.402)

Have a look what the booklet for
CIELCh(28, 13.452, 333.402)
contains.

CIELCh(28, 13.493, 331.960)	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, 13.493, 331.960)

Conversions

Conversions Part 1

Format	Color
Hex	503C4C
RGB	80, 60, 76
RGB Percent	31%, 24%, 30%
CMY	0.6863, 0.7647, 0.7020
CMYK	0.00, 0.25, 0.05, 0.69
HSL	312°, 14%, 27%
HSV	312°, 25%, 31%
XYZ	6.2269, 5.4574, 7.5607
YIQ	67.8040, 6.7840, 9.2160

Conversions

Conversions Part 2

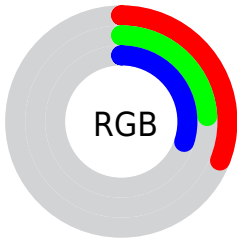
Format	Color
R_{YB}	80, 60, 76
Decimal	5258316
CIE _{Lab}	28.00, 11.91, -6.34
CIE _{LCh}	28, 13.493, 331.960
Yxy	5.4574, 0.3236, 0.2836
Android (android.graphics.Color)	4283448396 (0xFF503C4C)
YUV	67.8040, 4.0406, 10.6959
Hunter-Lab	23.3610, 6.6972, -2.8363

Details

The CIELCh color **28, 13.493, 331.960** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **32, 13.435, 148.909**, and the grayscale version is **29, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 13.799, 330.900**, and **8, 13.212, 332.059** is the 20% darker color. If you saturate the color by 10%, you get **26, 18.862, 332.575**, and if you desaturate by 10%, it is **30, 8.070, 331.361**.

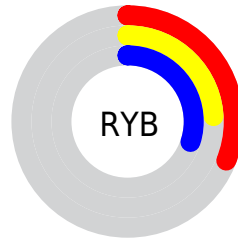
Distribution



Red (31%)

Green (24%)

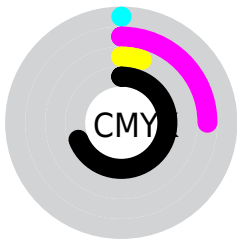
Blue (30%)



Red (31%)

Yellow (24%)

Blue (30%)

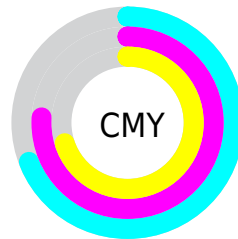


Cyan (0%)

Magenta (25%)

Yellow (5%)

Black (69%)



Cyan (69%)


Magenta (76%)


Yellow (70%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 13.493, 331.960 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, 13.493, 331.960 by changing the saturation by 10% instead.

 28, 13.493,
331.960


 28, 13.493,
331.960

 100, 13.493,
331.960


 18, 13.493,
331.960


 48, 13.493,
331.960


 8, 13.493, 331.960

 58, 13.493,
331.960

 0, 13.493, 331.960

 68, 13.493,
331.960

 78, 13.493,
331.960

 88, 13.493,
331.960

 98, 13.493,

331.960

■ 28, 13.493,
331.960

■ 28, 13.493,
331.960

■ 26, 18.862,
332.575

■ 30, 8.070, 331.361

■ 24, 24.069,
333.205

■ 33, 2.675, 330.749

■ 35, 2.641, 150.319

■ 22, 28.965,
333.855

■ 38, 7.846, 149.751

■ 20, 33.369,
334.529

■ 40, 12.919,
149.239

■ 18, 37.079,
335.236

■ 43, 17.855,
148.754

■ 17, 39.904,
335.991

■ 45, 22.650,
148.295

■ 16, 42.069,
336.776

■ 48, 27.307,
147.860

■ 16, 43.219,
337.145

■ 51, 31.832,
147.448

Harmonies

Complementary

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



28, 13.493, 331.960



32, 13.435, 148.909

Rectangle

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



28, 13.493, 331.960



28, 13.493, 21.960



28, 13.493, 151.960



28, 13.493, 201.960

Sweetspot

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



28, 13.492, 331.961



42, 5.350, 330.959



26, 13.228, 299.778



21, 3.835, 331.021



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, 13.492, 331.961



35, 20.197, 332.333



28, 9.887, 358.309



15, 3.046, 330.987



22, 51.778, 337.539



53, 91.947, 338.336

Inverse Universe

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



28, 13.492, 331.961



35, 20.197, 332.333



32, 9.255, 173.799



15, 3.046, 330.987



22, 51.778, 337.539



53, 91.947, 338.336

Previews

White Background



This preview shows how the CIELCh color 28, 13.493, 331.960 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, 13.493, 331.960 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

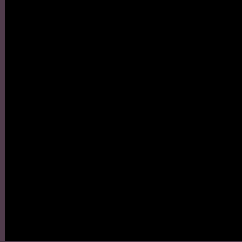
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 13.493, 331.960

Background



This preview shows how black text looks on a background with the CIELCh color 28, 13.493, 331.960.



This preview shows how white text looks on a background with the CIELCh color 28, 13.493, 331.960.

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](#).

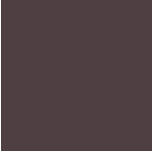
Dichromacy



Original Color
28, 13.493, 331.960

Protanopia
28, 9.112, 284.236

Deuteranopia
28, 6.724, 306.110



Tritanopia
28, 8.164, 2.569

Trichromacy



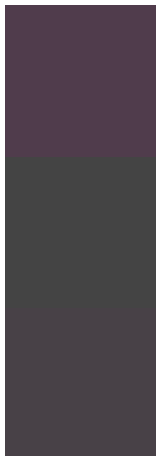
Original Color
28, 13.493, 331.960

Protanomaly
28, 9.984, 304.060

Deuteranomaly
28, 8.928, 320.440

Tritanomaly
28, 9.913, 345.456

Monochromacy



Original Color
28, 13.493, 331.960

Achromatopsia
29, 0.005, 296.813

Achromatomaly
28, 4.975, 329.097

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 13.493, 331.960 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(80, 60, 76)` looks like.

```
.text, #text, p{  
    color:rgb(80, 60, 76)  
}
```

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(80, 60, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 60, 76) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 13.493, 331.960 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(80, 60, 76) }
```

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

```
.border{ border-color:rgb(80, 60, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 60, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 60, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 60, 76);  
box-shadow:4px 4px 4px 4px rgb(80, 60, 76)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 13.493, 331.960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 60, 76) }
```

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

```
.background{ background-color: rgb(80, 60,  
76) }
```

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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