

Converting Colors

CIELCh(32, 10.009, 313.752)

Have a look what the booklet for
CIELCh(32, 10.009, 313.752)
contains.

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Color

CIELCh(32, 10.278, 313.152)

Conversions

Conversions Part 1

Format	Color
Hex	514857
RGB	81, 72, 87
RGB Percent	32%, 28%, 34%
CMY	0.6821, 0.7174, 0.6585
CMYK	0.07, 0.17, 0.00, 0.66
HSL	276°, 9%, 31%
HSV	276°, 17%, 34%
XYZ	7.4442, 7.0852, 10.0072
YIQ	76.4010, 0.5490, 6.5730

Conversions

Conversions Part 2

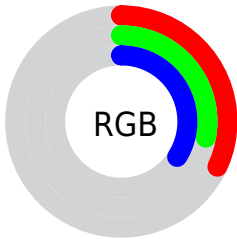
Format	Color
R_{YB}	81, 72, 87
Decimal	5326935
CIE _{Lab}	32.00, 7.03, -7.50
CIE _{LCh}	32, 10.278, 313.152
Yxy	7.0852, 0.3034, 0.2888
Android (android.graphics.Color)	4283517015 (0xFF514857)
YUV	76.4010, 5.2253, 4.0333
Hunter-Lab	26.6180, 3.3395, -3.6578

Details

The CIELCh color $[32, 10.278, 313.152]$ is a dark color, and the websafe version is hex 333333 . A complement of this color would be $[36, 10.106, 131.804]$, and the grayscale version is $[32, 0.005, 296.813]$.

A 20% lighter version of the original color is $[52, 10.670, 312.589]$, and $[12, 10.002, 311.532]$ is the 20% darker color. If you saturate the color by 10%, you get $[29, 16.405, 313.574]$, and if you desaturate by 10%, it is $[35, 4.265, 312.739]$.

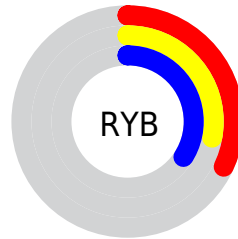
Distribution



Red (32%)

Green (28%)

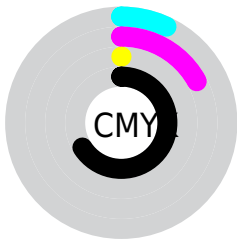
Blue (34%)



Red (32%)

Yellow (28%)

Blue (34%)

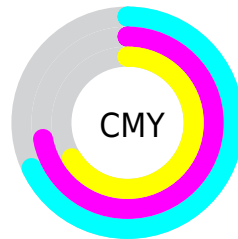


Cyan (7%)

Magenta (17%)

Yellow (0%)

Black (66%)



Cyan (68%)


Magenta (72%)


Yellow (66%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 10.278, 313.152 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 32, 10.278, 313.152 by changing the saturation by 10% instead.


 32, 10.278,
313.152


 32, 10.278,
313.152

 100, 10.278,
313.152


 22, 10.278,
313.152

 52, 10.278,
313.152


 12, 10.278,
313.152


 62, 10.278,
313.152

 2, 10.278, 313.152

 72, 10.278,
313.152

 0, 10.278, 313.152

 82, 10.278,
313.152

 92, 10.278,
313.152

■ 32, 10.278,
313.152

■ 32, 10.278,
313.152

■ 29, 16.405,
313.574

■ 35, 4.265, 312.739

■ 38, 1.607, 132.434

■ 26, 22.604,
314.002

■ 41, 7.327, 132.047

■ 24, 28.800,
314.420

■ 44, 12.890,
131.726

■ 21, 34.876,
314.799

■ 47, 18.298,
131.438

■ 18, 40.654,
315.103

■ 50, 23.555,
131.180

■ 16, 45.892,
315.277

■ 52, 28.666,
130.949

■ 14, 50.291,
315.258

■ 55, 33.638,
130.745

■ 13, 54.267,

315.197

■ 58, 38.478,
130.564

■ 12, 55.489,
315.232

Harmonies

Complementary

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



32, 10.278, 313.152



36, 10.106, 131.804

Rectangle

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



32, 10.278, 313.152



32, 10.278, 3.152



32, 10.278, 133.152



32, 10.278, 183.152

Sweetspot

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



32, 10.277, 313.151



46, 3.628, 312.651



33, 6.012, 266.127



22, 2.450, 312.669



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



32, 10.277, 313.151



40, 15.512, 313.338



33, 10.799, 327.665



16, 3.295, 312.803



16, 64.251, 314.950



41, 114.825, 314.242

Inverse Universe

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



32, 7.606, 350.875



40, 11.491, 351.316



35, 10.782, 145.775



16, 2.433, 350.077



21, 44.626, 8.829



50, 79.762, 12.553

Previews

White Background



This preview shows how the CIE LCh color 32, 10.278, 313.152 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 32, 10.278, 313.152 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 32, 10.278, 313.152

Background



This preview shows how black text looks on a background with the CIELCh color 32, 10.278, 313.152.

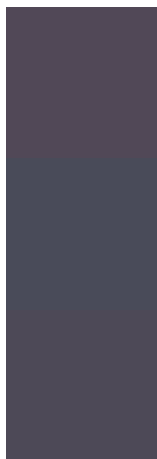


This preview shows how white text looks on a background with the CIELCh color 32, 10.278, 313.152.

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

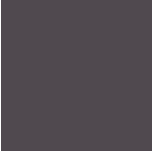
32, 10.278, 313.152

Protanopia

32, 8.887, 286.546

Deuteranopia

32, 9.072, 302.195



Tritanopia
32, 4.885, 329.050

Trichromacy



Original Color
32, 10.278, 313.152

Protanomaly
32, 8.933, 296.989

Deuteranomaly
32, 9.159, 304.751

Tritanomaly
32, 6.472, 318.560

Monochromacy



Original Color
32, 10.278, 313.152

Achromatopsia
32, 0.005, 296.813

Achromatomaly
32, 3.434, 312.695

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 10.278, 313.152 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(81, 72, 87)` looks like.

```
.text, #text, p{  
    color:rgb(81, 72, 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(81, 72, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 72, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 10.278, 313.152 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(81, 72, 87) }
```

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

```
.border{ border-color:rgb(81, 72, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 72, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 72, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 72, 87);  
box-shadow:4px 4px 4px 4px rgb(81, 72, 87)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 10.278, 313.152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 72, 87) }
```

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

```
.background{ background-color: rgb(81, 72,  
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](#).

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