

Converting Colors

CIELCh(30, 10.563, 334.218)

Have a look what the booklet for
CIELCh(30, 10.563, 334.218)
contains.

CIELCh(30, 10.365, 333.500)	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(30, 10.365, 333.500)

Conversions

Conversions Part 1

Format	Color
Hex	52424E
RGB	82, 66, 78
RGB Percent	32%, 26%, 31%
CMY	0.6785, 0.7413, 0.6942
CMYK	0.00, 0.20, 0.05, 0.68
HSL	315°, 11%, 29%
HSV	315°, 20%, 32%
XYZ	6.7984, 6.2359, 8.0483
YIQ	72.1520, 5.6840, 7.1240

Conversions

Conversions Part 2

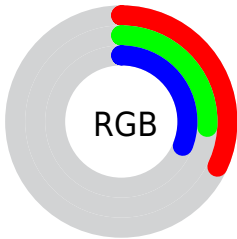
Format	Color
R_{YB}	82, 66, 78
Decimal	5390926
CIE Lab	30.00, 9.28, -4.62
CIE LCh	30, 10.365, 333.500
Yxy	6.2359, 0.3225, 0.2958
Android (android.graphics.Color)	4283581006 (0xFF52424E)
YUV	72.1520, 2.8831, 8.6367
Hunter-Lab	24.9718, 4.8949, -1.6286

Details

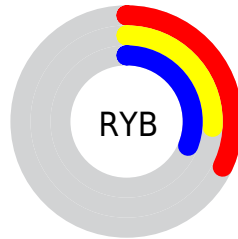
The CIELCh color **30, 10.365, 333.500** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **33, 10.308, 151.083**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **50, 10.488, 334.266**, and **10, 10.564, 332.937** is the 20% darker color. If you saturate the color by 10%, you get **28, 15.702, 334.151**, and if you desaturate by 10%, it is **32, 5.026, 332.868**.

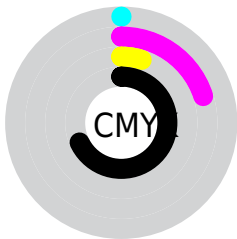
Distribution



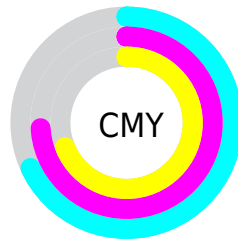
- Red (32%)
- Green (26%)
- Blue (31%)



- Red (32%)
- Yellow (26%)
- Blue (31%)



- Cyan (0%)
- Magenta (20%)
- Yellow (5%)
- Black (68%)





- Cyan (68%)
- Magenta (74%)
- Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 10.365, 333.500 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 30, 10.365, 333.500 by changing the saturation by 10% instead.


 30, 10.365,
333.500


 30, 10.365,
333.500

 100, 10.365,
333.500


 20, 10.365,
333.500


 50, 10.365,
333.500


 10, 10.365,
333.500

 60, 10.365,
333.500

 0, 10.365, 333.500

 70, 10.365,
333.500

 80, 10.365,
333.500

 90, 10.365,
333.500

■ 30, 10.365,
333.500

■ 30, 10.365,
333.500

■ 28, 15.702,
334.151

■ 32, 5.026, 332.868

■ 25, 20.948,
334.828

■ 35, 0.250, 152.996

■ 38, 5.423, 151.785

■ 23, 25.974,
335.540

■ 40, 10.471,
151.236

■ 21, 30.614,
336.294

■ 43, 15.384,
150.724

■ 20, 34.669,
337.106

■ 45, 20.156,
150.239

■ 18, 37.932,
337.996

■ 48, 24.791,
149.781

■ 17, 40.244,
338.993

■ 51, 29.292,
149.348

■ 16, 42.355,

339.975

■ 53, 33.666,
148.938

■ 16, 42.464,
340.020

Harmonies

Complementary

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



30, 10.365, 333.500



33, 10.308, 151.083

Rectangle

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



30, 10.365, 333.500



30, 10.365, 23.500



30, 10.365, 153.500



30, 10.365, 203.500

Sweetspot

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



30, 10.364, 333.501



43, 3.944, 332.653



29, 10.488, 301.133



21, 2.586, 332.672



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



30, 10.364, 333.501



38, 15.253, 333.777



30, 7.646, 1.287



15, 2.939, 332.817



22, 50.012, 340.508



52, 88.653, 341.607

Inverse Universe

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



30, 10.364, 333.501



38, 15.253, 333.777



33, 7.196, 177.890



15, 2.939, 332.817



22, 50.012, 340.508



52, 88.653, 341.607

Previews

White Background



This preview shows how the CIELCh color 30, 10.365, 333.500 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 30, 10.365, 333.500 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 30, 10.365, 333.500

Background



This preview shows how black text looks on a background with the CIELCh color 30, 10.365, 333.500.



This preview shows how white text looks on a background with the CIELCh color 30, 10.365, 333.500.

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

30, 10.365, 333.500

Protanopia

30, 7.053, 288.125

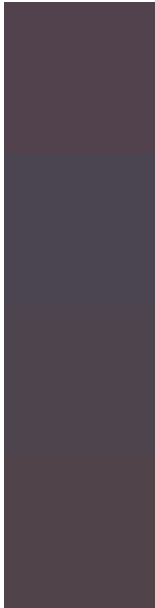
Deuteranopia

30, 5.768, 317.677



Tritanopia
30, 7.017, 353.614

Trichromacy



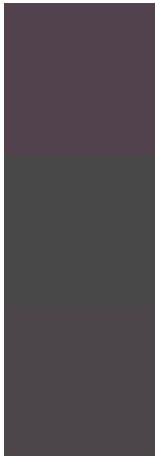
Original Color
30, 10.365, 333.500

Protanomaly
30, 7.391, 308.053

Deuteranomaly
30, 7.237, 327.921

Tritanomaly
30, 7.642, 344.978

Monochromacy



Original Color
30, 10.365, 333.500

Achromatopsia
31, 0.005, 296.813

Achromatomaly
30, 3.685, 336.116

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 10.365, 333.500 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(82, 66, 78)` looks like.

```
.text, #text, p{  
    color:rgb(82, 66, 78)  
}
```

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(82, 66, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 66, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 10.365, 333.500 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(82, 66, 78) }
```

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

```
.border{ border-color:rgb(82, 66, 78) }
```

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

Here you see how a box with a 4 pixel rgb(82, 66, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 66, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 66, 78);  
box-shadow:4px 4px 4px 4px rgb(82, 66, 78)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 10.365, 333.500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 66, 78) }
```

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

```
.background{ background-color: rgb(82, 66,  
78) }
```

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