

Converting Colors

CIELCh(14, 11.118, 311.501)

Have a look what the booklet for
CIELCh(14, 11.118, 311.501)
contains.

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Color

CIELCh(14, 10.514, 310.233)

Conversions

Conversions Part 1

Format	Color
Hex	28212F
RGB	40, 33, 47
RGB Percent	16%, 13%, 18%
CMY	0.8438, 0.8712, 0.8164
CMYK	0.15, 0.30, 0.00, 0.82
HSL	270°, 18%, 16%
HSV	270°, 30%, 18%
XYZ	1.9170, 1.7298, 2.9034
YIQ	36.6890, -0.3220, 5.8380

Conversions

Conversions Part 2

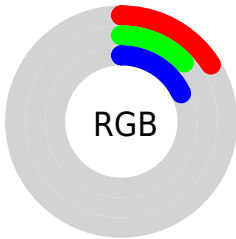
Format	Color
R_{YB}	40, 33, 47
Decimal	2629935
CIE Lab	14.00, 6.79, -8.03
CIE LCh	14, 10.514, 310.233
Yxy	1.7298, 0.2927, 0.2641
Android (android.graphics.Color)	4280820015 (0xFF28212F)
YUV	36.6890, 5.0833, 2.9037
Hunter-Lab	13.1521, 3.0009, -3.8820

Details

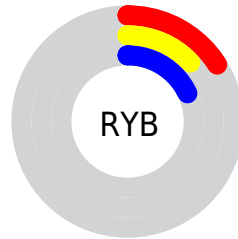
The CIELCh color **14, 10.514, 310.233** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **18, 10.164, 127.938**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **34, 10.618, 309.797**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **12, 14.168, 310.672**, and if you desaturate by 10%, it is **16, 6.919, 309.812**.

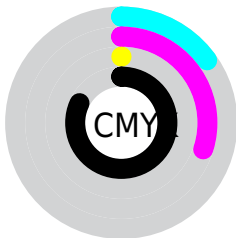
Distribution



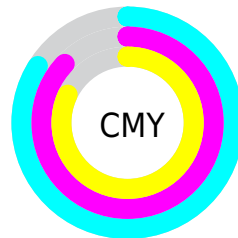
- Red (16%)
- Green (13%)
- Blue (18%)



- Red (16%)
- Yellow (13%)
- Blue (18%)



- Cyan (15%)
- Magenta (30%)
- Yellow (0%)
- Black (82%)



- Cyan (84%)
- Magenta (87%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 14, 10.514, 310.233 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 14, 10.514, 310.233 by changing the saturation by 10% instead.

■ 14, 10.514,
310.233

■ 14, 10.514,
310.233

■ 100, 10.514,
310.233

■ 4, 10.514, 310.233

■ 34, 10.514,
310.233

■ 0, 10.514, 310.233

■ 44, 10.514,
310.233


■ 54, 10.514,
310.233


■ 64, 10.514,
310.233


■ 74, 10.514,
310.233


■ 84, 10.514,

310.233


 94, 10.514,
310.233

 14, 10.514,
310.233

 14, 10.514,
310.233

 12, 14.168,
310.672

 16, 6.919, 309.812

 11, 17.858,
311.120

 18, 3.399, 309.412

 19, 0.038, 130.210

 9, 21.540, 311.559

 21, 3.389, 128.741


 7, 25.050, 311.852

 23, 6.653, 128.431

 6, 27.728, 311.429

 25, 9.834, 128.155

 5, 29.966, 310.673

 26, 12.932,

■ 4, 32.036, 309.761 127.907

■ 4, 32.060, 309.749 ■ 28, 15.951,
127.686

■ 30, 18.894,
127.489

Harmonies

Complementary

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



14, 10.514, 310.233



18, 10.164, 127.938

Rectangle

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



14, 10.514, 310.233



14, 10.514, 0.233



14, 10.514, 130.233



14, 10.514, 180.233

Sweetspot

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



14, 10.513, 310.233



24, 3.878, 309.398



16, 5.613, 257.215



10, 2.632, 309.409



65, 0.008, 296.813



12, 0.003, 296.813

Same Dimension

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



14, 10.513, 310.233



18, 15.997, 310.591



15, 11.756, 325.301



7, 1.715, 308.656



11, 56.414, 312.768



34, 109.517, 311.784

Inverse Universe

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



15, 8.412, 345.846



19, 12.735, 346.574



18, 11.743, 142.406



7, 1.375, 344.188



16, 38.930, 358.526



46, 74.246, 2.456

Previews

White Background



This preview shows how the CIE LCh color 14, 10.514, 310.233 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



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

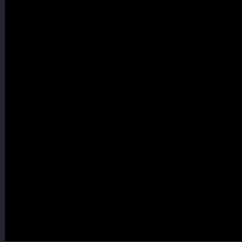
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 14, 10.514, 310.233

Background



This preview shows how black text looks on a background with the CIELCh color 14, 10.514, 310.233.



This preview shows how white text looks on a background with the CIELCh color 14, 10.514, 310.233.

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

14, 10.514, 310.233

Protanopia

14, 10.021, 285.737

Deuteranopia

14, 7.872, 286.022



Tritanopia
14, 2.054, 336.040

Trichromacy



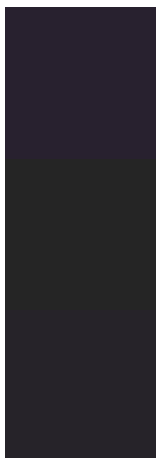
Original Color
14, 10.514, 310.233

Protanomaly
14, 10.022, 295.447

Deuteranomaly
14, 8.602, 295.537

Tritanomaly
14, 5.551, 316.746

Monochromacy



Original Color
14, 10.514, 310.233

Achromatopsia
15, 0.003, 296.813

Achromatomaly
14, 4.521, 309.585

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 14, 10.514, 310.233 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(40, 33, 47)` looks like.

```
.text, #text, p{  
    color:rgb(40, 33, 47)  
}
```

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(40, 33, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 33, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 14, 10.514, 310.233 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(40, 33, 47) }
```

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

```
.border{ border-color:rgb(40, 33, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 33, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 33, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 33, 47);  
box-shadow:4px 4px 4px 4px rgb(40, 33, 47)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 14, 10.514, 310.233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 33, 47) }
```

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

```
.background{ background-color: rgb(40, 33,  
47) }
```

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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