

Converting Colors

CIELCh(14, 7.173, 21.020)

Have a look what the booklet for
CIELCh(14, 7.173, 21.020) contains.

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Color

CIELCh(14, 7.270, 21.322)

Conversions

Conversions Part 1	
Format	Color
Hex	2E2020
RGB	46, 32, 32
RGB Percent	18%, 13%, 13%
CMY	0.8190, 0.8740, 0.8740
CMYK	0.00, 0.30, 0.30, 0.82
HSL	0°, 18%, 15%
HSV	0°, 30%, 18%
XYZ	1.9162, 1.7298, 1.6092
YIQ	36.1860, 8.3440, 2.9680

Conversions

Conversions Part 2

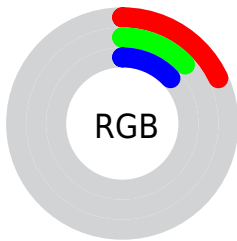
Format	Color
RYB	46, 32, 32
Decimal	3022880
CIELab	14.00, 6.77, 2.64
CIELCh	14, 7.270, 21.322
Yxy	1.7298, 0.3646, 0.3292
Android (android.graphics.Color)	4281212960 (0xFF2E2020)
YUV	36.1860, -2.0637, 8.6069
Hunter-Lab	13.1521, 2.9903, 1.9523

Details

The CIELCh color **14, 7.270, 21.322** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **18, 6.156, 198.175**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **34, 7.166, 20.476**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **12, 9.963, 22.301**, and if you desaturate by 10%, it is **16, 4.723, 20.536**.

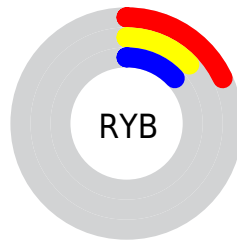
Distribution



Red (18%)

Green (13%)

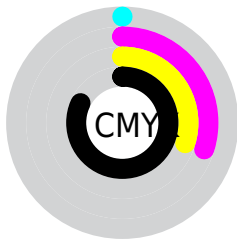
Blue (13%)



Red (18%)

Yellow (13%)

Blue (13%)

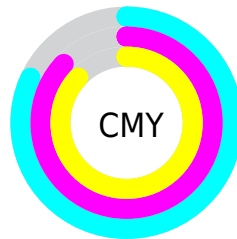


Cyan (0%)

Magenta (30%)

Yellow (30%)

Black (82%)



Cyan (82%)

Magenta (87%)

Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 14, 7.270, 21.322 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, 7.270, 21.322 by changing the saturation by 10% instead.

 14, 7.270, 21.322  14, 7.270, 21.322

 100, 7.270, 21.322  4, 7.270, 21.322

 34, 7.270, 21.322  0, 7.270, 21.322

 44, 7.270, 21.322

 54, 7.270, 21.322









 64, 7.270, 21.322

 74, 7.270, 21.322

 84, 7.270, 21.322

 94, 7.270, 21.322

 14, 7.270, 21.322  14, 7.270, 21.322

 12, 9.963, 22.301	 16, 4.723, 20.536
 11, 12.789, 23.510	 17, 2.327, 19.865
 10, 15.569, 23.803	 19, 0.079, 16.899
 8, 18.111, 22.868	 21, 2.030, 199.120
 7, 20.290, 21.714	 22, 4.008, 198.725
 6, 22.228, 20.908	 24, 5.868, 198.422
 5, 24.009, 20.333	 26, 7.621, 198.174
	 28, 9.278, 197.966
	 29, 10.848, 197.791

Harmonies

Complementary

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



14, 7.270, 21.322



18, 6.156, 198.175

Rectangle

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



14, 7.270, 21.322



14, 7.270, 71.322



14, 7.270, 201.322



14, 7.270, 251.322

Sweetspot

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



14, 7.269, 21.328



24, 2.557, 19.812



15, 11.854, 325.788



10, 1.736, 19.831



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, 7.269, 21.328



18, 11.198, 22.072



16, 6.116, 72.338



7, 1.112, 19.314



16, 43.794, 33.542



45, 91.681, 40.001

Inverse Universe

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



18, 6.156, 198.175



24, 9.037, 197.886



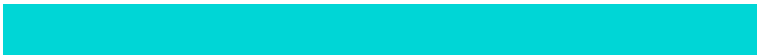
15, 5.720, 259.142



7, 1.112, 199.536



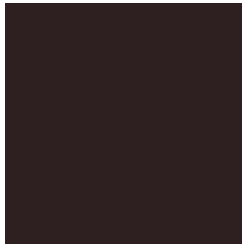
33, 22.833, 196.407



78, 43.927, 196.408

Previews

White Background



This preview shows how the CIELCh color 14, 7.270, 21.322 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 14, 7.270, 21.322 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

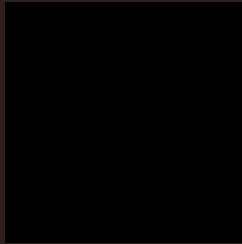
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 14, 7.270, 21.322

Background



This preview shows how black text looks on a background with the CIELCh color 14, 7.270, 21.322.

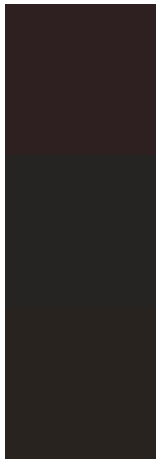


This preview shows how white text looks on a background with the CIELCh color 14, 7.270, 21.322.

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

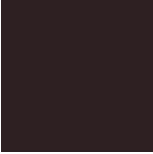
14, 7.270, 21.322

Protanopia

14, 1.497, 90.302

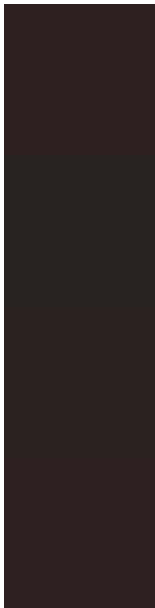
Deuteranopia

14, 3.753, 54.309



Tritanopia
14, 7.271, 10.236

Trichromacy



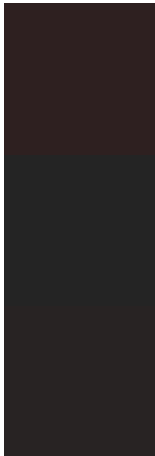
Original Color
14, 7.270, 21.322

Protanomaly
14, 2.911, 48.939

Deuteranomaly
14, 4.875, 37.261

Tritanomaly
14, 7.234, 15.778

Monochromacy



Original Color
14, 7.270, 21.322

Achromatopsia
14, 0.003, 296.813

Achromatomaly
14, 2.501, 19.964

CSS Examples

Text

The CSS property to change the color of the text to CIElCh 14, 7.270, 21.322 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(46, 32, 32)` looks like.

```
.text, #text, p{  
    color:rgb(46, 32, 32)  
}
```

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(46, 32, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 32, 32) }
```

Border

The CSS property to change the border of an element to CIELCh 14, 7.270, 21.322 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(46, 32, 32) }
```

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

```
.border{ border-color:rgb(46, 32, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 32, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 32, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 32, 32);  
box-shadow:4px 4px 4px 4px rgb(46, 32, 32)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 14, 7.270, 21.322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 32, 32) }
```

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

```
.background{ background-color: rgb(46, 32,  
32) }
```

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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