

# Converting Colors

CIELCh(14, 21.796, 325.751)

Have a look what the booklet for  
CIELCh(14, 21.796, 325.751)  
contains.

<b>CIELCh(14, 21.866, 325.620)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

# Color

**CIELCh(14, 21.866, 325.620)**

# Conversions

## Conversions Part 1

Format	Color
Hex	341A35
RGB	52, 26, 53
RGB Percent	20%, 10%, 21%
CMY	0.7959, 0.8979, 0.7920
CMYK	0.02, 0.51, 0.00, 0.79
HSL	298°, 34%, 16%
HSV	298°, 51%, 21%
XYZ	2.4330, 1.7298, 3.5798
YIQ	36.8520, 6.8290, 13.9090

# Conversions

## Conversions Part 2

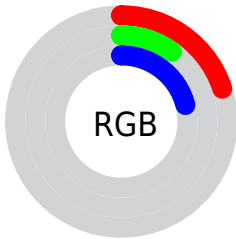
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	52, 26, 53
Decimal	3414581
CIE Lab	14.00, 18.05, -12.35
CIE LCh	14, 21.866, 325.620
Yxy	1.7298, 0.3142, 0.2234
Android (android.graphics.Color)	4281604661 (0xFF341A35)
YUV	36.8520, 7.9610, 13.2848
Hunter-Lab	13.1521, 10.0041, -6.9315

# Details

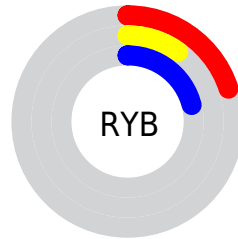
The CIELCh color **14, 21.866, 325.620** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **19, 21.860, 140.316**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **34, 22.120, 325.009**, and **0, 2.016, 290.178** is the 20% darker color. If you saturate the color by 10%, you get **13, 25.763, 325.978**, and if you desaturate by 10%, it is **15, 17.721, 325.224**.

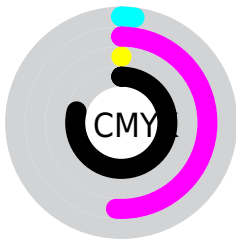
# Distribution



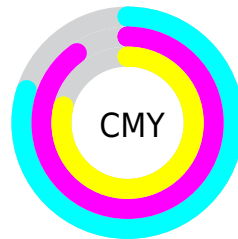
- Red (20%)
- Green (10%)
- Blue (21%)



- Red (20%)
- Yellow (10%)
- Blue (21%)



- Cyan (2%)
- Magenta (51%)
- Yellow (0%)
- Black (79%)




- Cyan (80%)
- Magenta (90%)
- Yellow (79%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 14, 21.866, 325.620 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, 21.866, 325.620 by changing the saturation by 10% instead.




 14, 21.866,  
325.620


 14, 21.866,  
325.620


 100, 21.866,  
325.620


 4, 21.866, 325.620


 34, 21.866,  
325.620

 0, 21.866, 325.620

 44, 21.866,  
325.620


 54, 21.866,  
325.620


 64, 21.866,  
325.620


 74, 21.866,  
325.620


 84, 21.866,


325.620


 94, 21.866,  
325.620


 14, 21.866,  
325.620


 14, 21.866,  
325.620

 13, 25.763,  
325.978


 15, 17.721,  
325.224

 12, 29.297,  
326.286

 17, 13.431,  
324.802

 11, 32.343,  
326.531

 19, 9.075, 324.363

 10, 35.220,  
326.756

 20, 4.713, 323.912

 22, 0.389, 323.240

 9, 38.097, 326.993

 24, 3.867, 143.086

■ 26, 8.036, 142.653

■ 27, 12.106,  
142.244

■ 29, 16.073,  
141.854

# Harmonies

# Complementary

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



14, 21.866, 325.620



19, 21.860, 140.316

# Rectangle

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



14, 21.866, 325.620



14, 21.866, 15.620



14, 21.866, 145.620



14, 21.866, 195.620

# Sweetspot

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



14, 21.865, 325.620



26, 8.088, 324.133



11, 18.716, 294.205



12, 5.575, 324.159



67, 0.008, 296.813



14, 0.003, 296.813





# Same Dimension

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



14, 21.865, 325.620



18, 31.896, 326.082



14, 16.387, 345.122



8, 2.307, 323.784



19, 53.816, 326.879



50, 102.410, 326.762



# Inverse Universe

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



13, 14.489, 21.075



16, 22.216, 23.393



20, 15.796, 156.846



8, 1.342, 16.567



16, 44.300, 32.548



45, 90.978, 38.776



# Previews

## White Background



This preview shows how the CIE LCh color 14, 21.866, 325.620 looks on a white background.

## Color Contrast Check

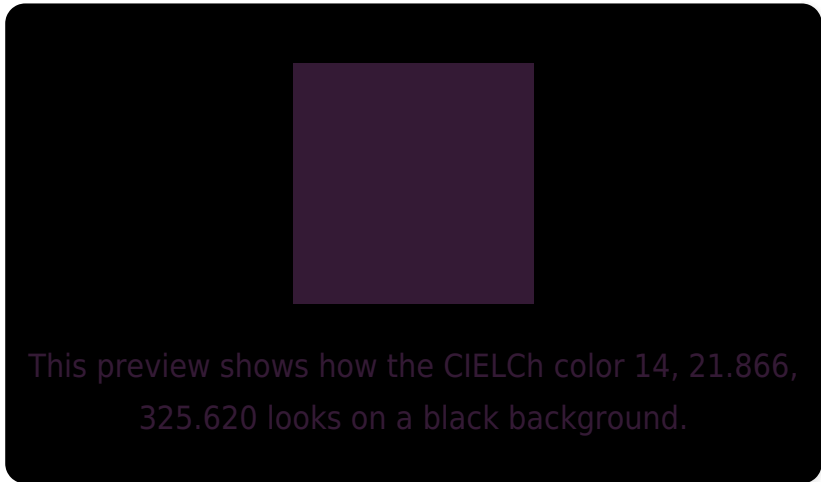
Large Text (above 18pt) WCAG AA ✓ Pass

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, 21.866, 325.620**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 14, 21.866, 325.620.



This preview shows how white text looks on a background with the CIELCh color 14, 21.866, 325.620.

# 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, 21.866, 325.620

### Protanopia

14, 18.639, 284.455

### Deuteranopia

14, 10.781, 282.152





**Tritanopia**  
14, 9.896, 14.066

# Trichromacy



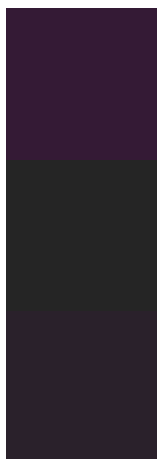
**Original Color**  
14, 21.866, 325.620

**Protanomaly**  
14, 18.631, 298.759

**Deuteranomaly**  
14, 14.643, 305.690

**Tritanomaly**  
14, 13.096, 347.145

# Monochromacy



**Original Color**  
14, 21.866, 325.620

**Achromatopsia**  
15, 0.003, 296.813

**Achromatomaly**  
14, 8.307, 322.613

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 14, 21.866, 325.620 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(52, 26, 53)` looks like.

```
.text, #text, p{  
    color:rgb(52, 26, 53)  
}
```

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(52, 26, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 26, 53) }
```

## Border

The CSS property to change the border of an element to CIELCh 14, 21.866, 325.620 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(52, 26, 53) }
```

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

```
.border{ border-color:rgb(52, 26, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 26, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 26, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 26, 53);  
box-shadow:4px 4px 4px 4px rgb(52, 26, 53)  
}
```

# Background

The CSS property to change the background color of an element to CIELCh 14, 21.866, 325.620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 26, 53) }
```

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

```
.background{ background-color: rgb(52, 26,  
53) }
```

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