

# Converting Colors

CIELCh(14, 32.138, 327.492)

Have a look what the booklet for  
CIELCh(14, 32.138, 327.492)  
contains.

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**Color**

**CIELCh(14, 32.149, 327.462)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3C123C
RGB	60, 18, 60
RGB Percent	24%, 7%, 24%
CMY	0.7642, 0.9289, 0.7642
CMYK	0.00, 0.70, 0.00, 0.76
HSL	300°, 54%, 15%
HSV	300°, 70%, 24%
XYZ	2.9097, 1.7298, 4.4742
YIQ	35.3460, 11.5500, 21.9660

# Conversions

## Conversions Part 2

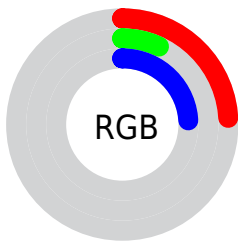
<b>Format</b>	<b>Color</b>
<b>RYB</b>	60, 18, 60
Decimal	3936828
CIELab	14.00, 27.10, -17.29
CIELCh	14, 32.149, 327.462
Yxy	1.7298, 0.3193, 0.1898
Android (android.graphics.Color)	4282126908 (0xFF3C123C)
YUV	35.3460, 12.1544, 21.6216
Hunter-Lab	13.1521, 16.4742, -10.9633

# Details

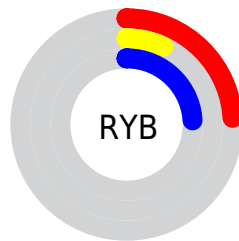
The CIELCh color **14, 32.149, 327.462** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **22, 32.503, 139.184**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **34, 32.228, 327.155**, and **0, 6.884, 290.178** is the 20% darker color. If you saturate the color by 10%, you get **13, 35.434, 327.748**, and if you desaturate by 10%, it is **15, 28.280, 327.118**.

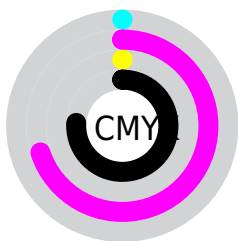
# Distribution



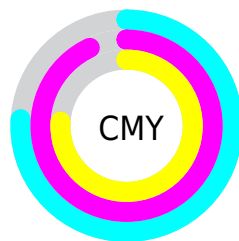
- Red (24%)
- Green (7%)
- Blue (24%)



- Red (24%)
- Yellow (7%)
- Blue (24%)



- Cyan (0%)
- Magenta (70%)
- Yellow (0%)
- Black (76%)




- Cyan (76%)
- Magenta (93%)
- Yellow (76%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 14, 32.149, 327.462 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, 32.149, 327.462 by changing the saturation by 10% instead.




 14, 32.149,  
327.462

 14, 32.149,  
327.462

 100, 32.149,  
327.462

 4, 32.149, 327.462


 34, 32.149,  
327.462

 0, 32.149, 327.462

 44, 32.149,  
327.462

 54, 32.149,  
327.462


 64, 32.149,  
327.462


 74, 32.149,  
327.462


 84, 32.149,


327.462


 94, 32.149,  
327.462


 14, 32.149,  
327.462


 14, 32.149,  
327.462


 13, 35.434,  
327.748


 15, 28.280,  
327.118


 12, 38.218,  
327.986

 17, 23.970,  
326.727

 11, 41.172,  
328.233

 18, 19.356,  
326.299

 11, 41.221,  
328.238

 20, 14.559,  
325.844

 22, 9.675, 325.373

■ 24, 4.780, 324.888

■ 25, 0.074, 145.942

■ 27, 4.849, 143.998

■ 29, 9.522, 143.535

# Harmonies

# Complementary

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



14, 32.149, 327.462



22, 32.503, 139.184

# Rectangle

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



14, 32.149, 327.462



14, 32.149, 17.462



14, 32.149, 147.462



14, 32.149, 197.462

# Sweetspot

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



14, 32.148, 327.462



29, 12.869, 325.476



8, 31.207, 299.701



13, 8.791, 325.521



69, 0.009, 296.813



16, 0.003, 296.813





# Same Dimension

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



14, 32.148, 327.462



18, 45.082, 327.933



13, 23.533, 350.750



10, 2.734, 324.819



21, 55.834, 328.238



53, 104.015, 328.238



# Inverse Universe

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



14, 32.148, 327.462



18, 45.082, 327.933



22, 22.289, 156.818



10, 2.734, 324.819



21, 55.834, 328.238

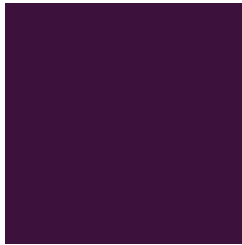


53, 104.015, 328.238



# Previews

## White Background



This preview shows how the CIELCh color 14, 32.149, 327.462 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 CIE LCh color 14, 32.149, 327.462 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, 32.149, 327.462

## Background



This preview shows how black text looks on a background with the CIELCh color 14, 32.149, 327.462.



This preview shows how white text looks on a background with the CIELCh color 14, 32.149, 327.462.

# 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, 32.149, 327.462

### Protanopia

14, 28.780, 281.828

### Deuteranopia

15, 14.471, 279.032





**Tritanopia**  
14, 15.315, 18.802

# Trichromacy



**Original Color**  
14, 32.149, 327.462

**Protanomaly**  
13, 28.617, 293.217

**Deuteranomaly**  
14, 20.370, 305.490

**Tritanomaly**  
14, 19.603, 349.072

# Monochromacy



**Original Color**  
14, 32.149, 327.462

**Achromatopsia**  
14, 0.003, 296.813

**Achromatomaly**  
13, 12.777, 325.935

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 14, 32.149, 327.462 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(60, 18, 60)` looks like.

```
.text, #text, p{  
    color:rgb(60, 18, 60)  
}
```

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(60, 18, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 18, 60) }
```

## Border

The CSS property to change the border of an element to CIELCh 14, 32.149, 327.462 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(60, 18, 60) }
```

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

```
.border{ border-color:rgb(60, 18, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 18, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 18, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 18, 60);  
box-shadow:4px 4px 4px 4px rgb(60, 18, 60)  
}
```

# Background

The CSS property to change the background color of an element to CIELCh 14, 32.149, 327.462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 18, 60) }
```

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

```
.background{ background-color: rgb(60, 18,  
60) }
```

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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