

Converting Colors

CIELCh(14, 13.699, 320.845)

Have a look what the booklet for
CIELCh(14, 13.699, 320.845)
contains.

CIELCh(14, 13.654, 320.823)	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(14, 13.654, 320.823)

Conversions

Conversions Part 1

Format	Color
Hex	2D1F30
RGB	45, 31, 48
RGB Percent	18%, 12%, 19%
CMY	0.8246, 0.8794, 0.8128
CMYK	0.06, 0.36, 0.00, 0.81
HSL	289°, 22%, 15%
HSV	289°, 36%, 19%
XYZ	2.0818, 1.7298, 2.9915
YIQ	37.1240, 2.8870, 8.2550

Conversions

Conversions Part 2

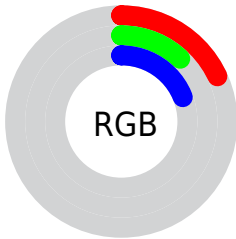
Format	Color
R_YB	45, 31, 48
Decimal	2957104
CIE Lab	14.00, 10.58, -8.63
CIE LCh	14, 13.654, 320.823
Yxy	1.7298, 0.3060, 0.2543
Android (android.graphics.Color)	4281147184 (0xFF2D1F30)
YUV	37.1240, 5.3619, 6.9073
Hunter-Lab	13.1521, 5.2377, -4.2794

Details

The CIELCh color **14, 13.654, 320.823** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **18, 13.497, 137.920**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **34, 13.671, 320.907**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **12, 17.476, 321.177**, and if you desaturate by 10%, it is **16, 9.789, 320.451**.

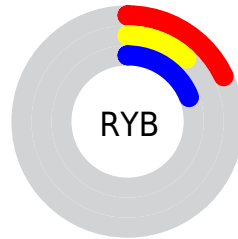
Distribution



Red (18%)

Green (12%)

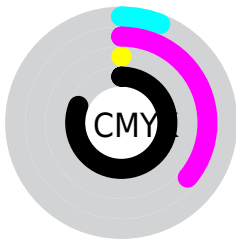
Blue (19%)



Red (18%)

Yellow (12%)

Blue (19%)

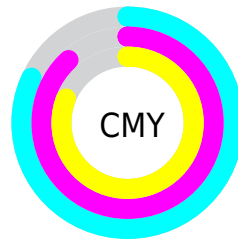


Cyan (6%)

Magenta (36%)

Yellow (0%)

Black (81%)



Cyan (82%)


Magenta (88%)


Yellow (81%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 14, 13.654, 320.823 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, 13.654, 320.823 by changing the saturation by 10% instead.

 14, 13.654,
320.823


 14, 13.654,
320.823


 100, 13.654,
320.823


 4, 13.654, 320.823


 34, 13.654,
320.823

 0, 13.654, 320.823

 44, 13.654,
320.823


 54, 13.654,
320.823


 64, 13.654,
320.823


 74, 13.654,
320.823


 84, 13.654,

320.823


 94, 13.654,
320.823

 14, 13.654,
320.823


 14, 13.654,
320.823


 12, 17.476,
321.177

 16, 9.789, 320.451

 11, 21.193,
321.501

 17, 5.931, 320.070

 19, 2.111, 319.674

 10, 24.720,
321.776

 20, 1.649, 139.396

 9, 27.953, 321.983

 22, 5.335, 139.012

 7, 30.897, 322.115

 24, 8.938, 138.671

 6, 33.773, 322.158

 26, 12.456,

■ 6, 35.020, 322.149

138.352

■ 27, 15.887,
138.053

■ 29, 19.231,
137.773

Harmonies

Complementary

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



14, 13.654, 320.823



18, 13.497, 137.920

Rectangle

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



14, 13.654, 320.823



14, 13.654, 10.823



14, 13.654, 140.823



14, 13.654, 190.823

Sweetspot

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



14, 13.653, 320.823



24, 5.147, 319.916



13, 9.980, 285.460



10, 3.376, 319.914



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, 13.653, 320.823



17, 20.321, 321.166



14, 11.497, 337.127



7, 1.868, 319.286



16, 53.399, 322.003



44, 102.935, 321.471

Inverse Universe

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



14, 8.916, 8.262



17, 13.506, 9.506



18, 11.360, 152.579



7, 1.150, 5.459



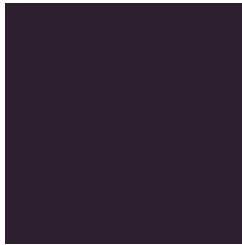
16, 41.086, 25.749



45, 83.187, 31.713

Previews

White Background



This preview shows how the CIELCh color 14, 13.654, 320.823 looks on a white background.

Color Contrast Check

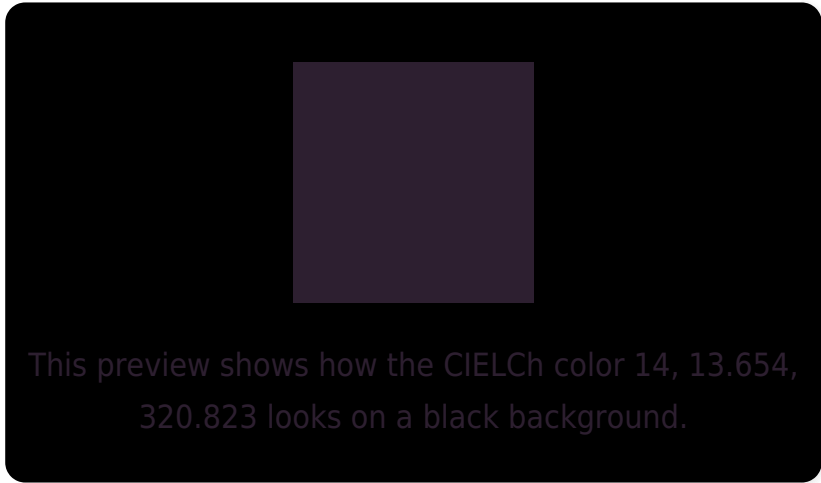
Large Text (above 18pt) WCAG AA ✓ Pass

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, 13.654, 320.823

Background



This preview shows how black text looks on a background with the CIELCh color 14, 13.654, 320.823.



This preview shows how white text looks on a background with the CIELCh color 14, 13.654, 320.823.

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, 13.654, 320.823

Protanopia

14, 11.464, 285.151

Deuteranopia

14, 8.577, 286.798



Tritanopia
14, 5.425, 357.828

Trichromacy



Original Color
14, 13.654, 320.823

Protanomaly
14, 12.256, 299.519

Deuteranomaly
14, 10.209, 302.913

Tritanomaly
14, 8.124, 337.273

Monochromacy



Original Color
14, 13.654, 320.823

Achromatopsia
15, 0.003, 296.813

Achromatomaly
14, 4.905, 320.311

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 14, 13.654, 320.823 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(45, 31, 48)` looks like.

```
.text, #text, p{  
    color:rgb(45, 31, 48)  
}
```

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(45, 31, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 31, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 14, 13.654, 320.823 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(45, 31, 48) }
```

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

```
.border{ border-color:rgb(45, 31, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 31, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 31, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 31, 48);  
box-shadow:4px 4px 4px 4px rgb(45, 31, 48)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 14, 13.654, 320.823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 31, 48) }
```

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

```
.background{ background-color: rgb(45, 31,  
48) }
```

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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