

Converting Colors

CIELCh(13, 65.663, 310.566)

Have a look what the booklet for
CIELCh(13, 65.663, 310.566)
contains.

CIELCh(13, 65.392, 310.464)	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(13, 65.392, 310.464)

Conversions

Conversions Part 1

Format	Color
Hex	2B0169
RGB	43, 1, 105
RGB Percent	17%, 0%, 41%
CMY	0.8309, 0.9957, 0.5878
CMYK	0.59, 0.99, 0.00, 0.59
HSL	264°, 98%, 21%
HSV	264°, 99%, 41%
XYZ	3.5693, 1.5625, 13.5090
YIQ	25.4140, -8.3520, 41.2480

Conversions

Conversions Part 2

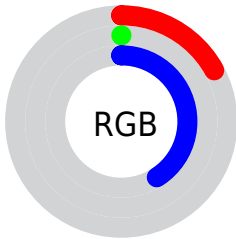
Format	Color
R_{YB}	43, 1, 105
Decimal	2818409
CIE _{Lab}	13.00, 42.44, -49.75
CIE _{LCh}	13, 65.392, 310.464
Yxy	1.5625, 0.1915, 0.0838
Android (android.graphics.Color)	4281008489 (0xFF2B0169)
YUV	25.4140, 39.2359, 15.4229
Hunter-Lab	12.5000, 29.0950, -55.3260

Details

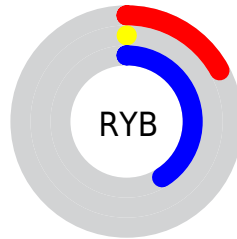
The CIELCh color **13, 65.392, 310.464** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **40, 54.378, 123.629**, and the grayscale version is **9, 0.002, 296.813**.

A 20% lighter version of the original color is **33, 65.352, 310.586**, and **3, 37.727, 298.710** is the 20% darker color. If you saturate the color by 10%, you get **13, 65.953, 310.509**, and if you desaturate by 10%, it is **15, 60.512, 310.300**.

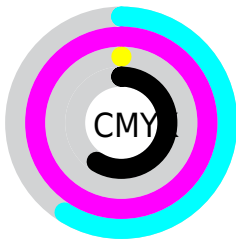
Distribution



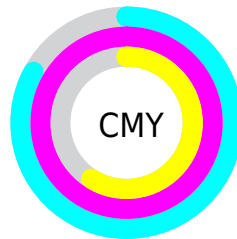
- Red (17%)
- Green (0%)
- Blue (41%)



- Red (17%)
- Yellow (0%)
- Blue (41%)



- Cyan (59%)
- Magenta (99%)
- Yellow (0%)
- Black (59%)





- Cyan (83%)
- Magenta (100%)
- Yellow (59%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 65.392, 310.464 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 13, 65.392, 310.464 by changing the saturation by 10% instead.

 13, 65.392,
310.464


 13, 65.392,
310.464

 100, 65.392,
310.464


 3, 65.392, 310.464


 33, 65.392,
310.464

 0, 65.392, 310.464

 43, 65.392,
310.464


 53, 65.392,
310.464


 63, 65.392,
310.464


 73, 65.392,
310.464


 83, 65.392,


310.464


 93, 65.392,
310.464


 13, 65.392,
310.464


 13, 65.392,
310.464


 13, 65.953,
310.509

 15, 60.512,
310.300

 18, 55.039,
310.092

 20, 48.550,
309.641

 24, 41.508,
309.057

 27, 34.243,
308.418

■ 31, 26.962,
307.775

■ 34, 19.782,
307.160

■ 38, 12.766,
306.588

■ 41, 5.944, 306.063

Harmonies

Complementary

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



13, 65.392, 310.464



40, 54.378, 123.629

Rectangle

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



13, 65.392, 310.464



13, 65.392, 0.464



13, 65.392, 130.464



13, 65.392, 180.464

Sweetspot

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



13, 65.393, 310.465



44, 25.646, 307.274



26, 29.223, 269.045



20, 17.436, 307.459



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



13, 65.393, 310.465



19, 80.297, 310.199



22, 60.314, 324.552



20, 3.786, 306.065



15, 71.401, 310.373



36, 123.716, 309.754

Inverse Universe

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



22, 45.710, 351.279



29, 55.403, 352.434



38, 61.432, 135.294



21, 3.316, 339.420



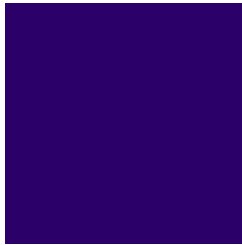
24, 49.502, 351.902



53, 84.323, 353.872

Previews

White Background



This preview shows how the CIELCh color 13, 65.392, 310.464 looks on a white background.

Color Contrast Check

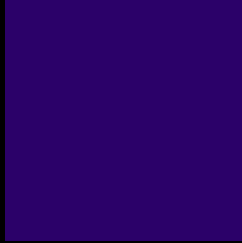
Large Text (above 18pt) WCAG AA ✓ Pass

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 13, 65.392, 310.464 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

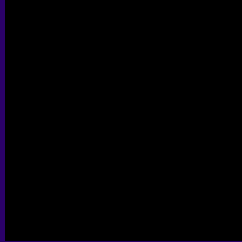
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 13, 65.392, 310.464

Background



This preview shows how black text looks on a background with the CIELCh color 13, 65.392, 310.464.



This preview shows how white text looks on a background with the CIELCh color 13, 65.392, 310.464.

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

13, 65.392, 310.464

Protanopia

14, 28.780, 281.828

Deuteranopia

15, 20.202, 265.486



Tritanopia
15, 9.891, 209.914

Trichromacy



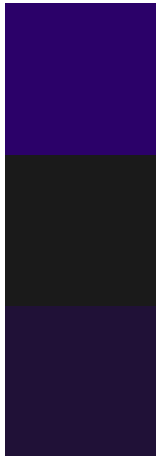
Original Color
13, 65.392, 310.464

Protanomaly
12, 45.339, 299.807

Deuteranomaly
12, 39.322, 297.551

Tritanomaly
12, 28.902, 298.165

Monochromacy



Original Color
13, 65.392, 310.464

Achromatopsia
9, 0.003, 296.813

Achromatomaly
9, 28.409, 309.003

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 65.392, 310.464 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(43, 1, 105)` looks like.

```
.text, #text, p{  
    color:rgb(43, 1, 105)  
}
```

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(43, 1, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 1, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 65.392, 310.464 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(43, 1, 105) }
```

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

```
.border{ border-color:rgb(43, 1, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 1, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 1, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 1, 105);  
box-shadow:4px 4px 4px 4px rgb(43, 1, 105)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 13, 65.392, 310.464 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 1, 105) }
```

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

```
.background{ background-color: rgb(43, 1,  
105) }
```

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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