

Converting Colors

CIELCh(13, 60.216, 312.087)

Have a look what the booklet for
CIELCh(13, 60.216, 312.087)
contains.

CIELCh(13, 60.326, 311.923)	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, 60.326, 311.923)

Conversions

Conversions Part 1

Format	Color
Hex	300362
RGB	48, 3, 98
RGB Percent	19%, 1%, 38%
CMY	0.8126, 0.9889, 0.6165
CMYK	0.51, 0.97, 0.00, 0.62
HSL	268°, 94%, 20%
HSV	268°, 97%, 38%
XYZ	3.4347, 1.5625, 11.6269
YIQ	27.2850, -3.6750, 39.0850

Conversions

Conversions Part 2

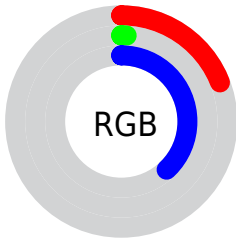
Format	Color
R_{YB}	48, 3, 98
Decimal	3146594
CIE _{Lab}	13.00, 40.31, -44.89
CIE _{LCh}	13, 60.326, 311.923
Yxy	1.5625, 0.2066, 0.0940
Android (android.graphics.Color)	4281336674 (0xFF300362)
YUV	27.2850, 34.8625, 18.1671
Hunter-Lab	12.5000, 27.1729, -46.3988

Details

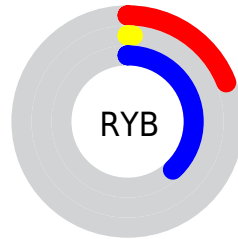
The CIELCh color **13, 60.326, 311.923** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **37, 52.124, 126.056**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **33, 60.359, 311.888**, and **2, 32.875, 296.401** is the 20% darker color. If you saturate the color by 10%, you get **12, 61.765, 312.001**, and if you desaturate by 10%, it is **15, 55.818, 311.901**.

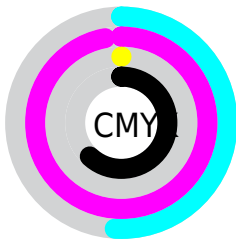
Distribution



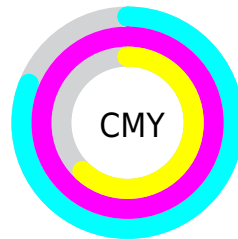
- Red (19%)
- Green (1%)
- Blue (38%)



- Red (19%)
- Yellow (1%)
- Blue (38%)



- Cyan (51%)
- Magenta (97%)
- Yellow (0%)
- Black (62%)





- Cyan (81%)
- Magenta (99%)
- Yellow (62%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 60.326, 311.923 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, 60.326, 311.923 by changing the saturation by 10% instead.

 13, 60.326,
311.923


 13, 60.326,
311.923


 100, 60.326,
311.923


 3, 60.326, 311.923


 33, 60.326,
311.923

 0, 60.326, 311.923

 43, 60.326,
311.923


 53, 60.326,
311.923


 63, 60.326,
311.923


 73, 60.326,
311.923


 83, 60.326,


311.923


 93, 60.326,
311.923


 13, 60.326,
311.923


 13, 60.326,
311.923


 12, 61.765,
312.001

 15, 55.818,
311.901

 17, 50.625,
311.775

 20, 44.550,
311.436

 23, 37.977,
310.972

 26, 31.182,
310.449

■ 29, 24.349,
309.910

■ 32, 17.587,
309.385

■ 36, 10.959,
308.887

■ 39, 4.497, 308.422

Harmonies

Complementary

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



13, 60.326, 311.923



37, 52.124, 126.056

Rectangle

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



13, 60.326, 311.923



13, 60.326, 1.923



13, 60.326, 131.923



13, 60.326, 181.923

Sweetspot

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



13, 60.326, 311.924



41, 23.469, 309.527



22, 30.727, 276.375



19, 16.018, 309.681



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



13, 60.326, 311.924



18, 74.810, 311.664



21, 56.571, 326.971



18, 3.524, 308.502



15, 68.167, 311.816



38, 119.976, 311.126

Inverse Universe

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



20, 41.974, 356.203



27, 51.161, 358.152



35, 58.209, 135.970



18, 2.904, 342.867



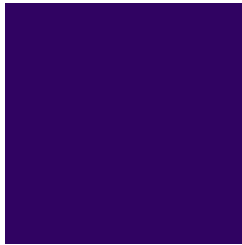
23, 46.770, 357.590



52, 81.156, 0.227

Previews

White Background



This preview shows how the CIELCh color 13, 60.326, 311.923 looks on a white background.

Color Contrast Check

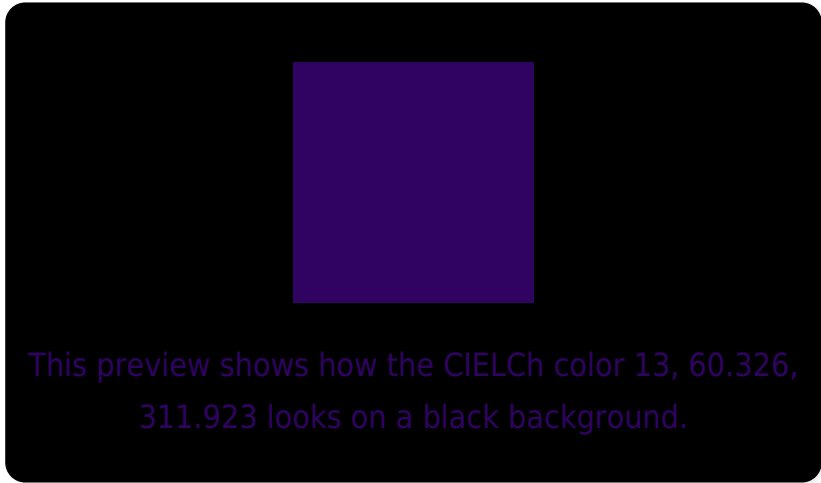
Large Text (above 18pt) WCAG AA ✓ Pass

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 13, 60.326, 311.923

Background



This preview shows how black text looks on a background with the CIELCh color 13, 60.326, 311.923.



This preview shows how white text looks on a background with the CIELCh color 13, 60.326, 311.923.

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

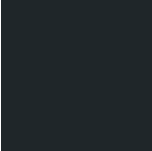
13, 60.326, 311.923

Protanopia

14, 28.137, 281.107

Deuteranopia

14, 20.170, 266.208



Tritanopia
15, 3.776, 233.256

Trichromacy



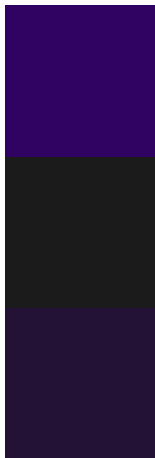
Original Color
13, 60.326, 311.923

Protanomaly
12, 42.009, 298.907

Deuteranomaly
12, 36.647, 297.023

Tritanomaly
12, 26.976, 306.476

Monochromacy



Original Color
13, 60.326, 311.923

Achromatopsia
10, 0.003, 296.813

Achromatomaly
9, 26.380, 311.464

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 60.326, 311.923 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(48, 3, 98)` looks like.

```
.text, #text, p{  
    color:rgb(48, 3, 98)  
}
```

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(48, 3, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 3, 98) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 60.326, 311.923 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(48, 3, 98) }
```

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

```
.border{ border-color:rgb(48, 3, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 3, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 3, 98); -webkit-box-shadow:4px  
4px 4px 4px rgb(48, 3, 98); box-shadow:4px  
4px 4px 4px rgb(48, 3, 98) }
```

Background

The CSS property to change the background color of an element to CIELCh 13, 60.326, 311.923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 3, 98) }
```

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

```
.background{ background-color: rgb(48, 3,  
98) }
```

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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