

Converting Colors

CIELCh(13, 39.523, 308.871)

Have a look what the booklet for
CIELCh(13, 39.523, 308.871)
contains.

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Color

CIELCh(13, 39.601, 308.918)

Conversions

Conversions Part 1

Format	Color
Hex	2A154D
RGB	42, 21, 77
RGB Percent	16%, 8%, 30%
CMY	0.8354, 0.9177, 0.6981
CMYK	0.45, 0.73, 0.00, 0.70
HSL	262°, 57%, 19%
HSV	262°, 73%, 30%
XYZ	2.5600, 1.5625, 7.1827
YIQ	33.6630, -5.4600, 21.8680

Conversions

Conversions Part 2

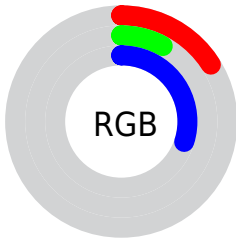
Format	Color
RYB	42, 21, 77
Decimal	2757965
CIELab	13.00, 24.88, -30.81
CIElCh	13, 39.601, 308.918
Yxy	1.5625, 0.2264, 0.1382
Android (android.graphics.Color)	4280948045 (0xFF2A154D)
YUV	33.6630, 21.3651, 7.3115
Hunter-Lab	12.5000, 14.6817, -25.3190




Details

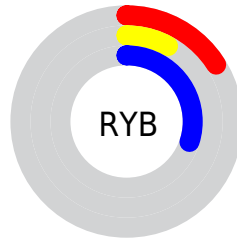
The CIELCh color **13, 39.601, 308.918** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **30, 34.567, 121.608**, and the grayscale version is **13, 0.003, 296.813**.




A 20% lighter version of the original color is **33, 39.960, 308.943**, and **1, 17.727, 289.160** is the 20% darker color. If you saturate the color by 10%, you get **11, 44.657, 309.413**, and if you desaturate by 10%, it is **15, 34.133, 308.300**.

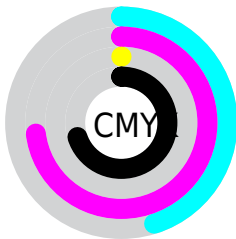
Distribution







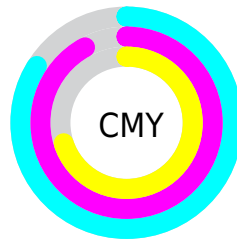
-  Red (16%)
-  Green (8%)
-  Blue (30%)






-  Red (16%)
-  Yellow (8%)
-  Blue (30%)



-  Cyan (45%)
-  Magenta (73%)
-  Yellow (0%)
-  Black (70%)



-  Cyan (84%)
-  Magenta (92%)
-  Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 39.601, 308.918 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, 39.601, 308.918 by changing the saturation by 10% instead.

■ 13, 39.601,
308.918

■ 13, 39.601,
308.918

■ 100, 39.601,
308.918

■ 3, 39.601, 308.918

■ 33, 39.601,
308.918

■ 0, 39.601, 308.918

■ 43, 39.601,
308.918


■ 53, 39.601,
308.918


■ 63, 39.601,
308.918


■ 73, 39.601,
308.918


■ 83, 39.601,


308.918

 93, 39.601,
308.918


 13, 39.601,
308.918

 13, 39.601,
308.918

 11, 44.657,
309.413


 15, 34.133,
308.300


 9, 49.281, 309.827

 18, 28.500,
307.633

 7, 53.076, 310.377

 21, 22.854,
306.966

 24, 17.284,
306.329

 26, 11.838,
305.736

■ 29, 6.538, 305.193

■ 32, 1.392, 304.685

■ 35, 3.598, 124.289

■ 38, 8.437, 123.898

Harmonies

Complementary

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



13, 39.601, 308.918



30, 34.567, 121.608

Rectangle

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



13, 39.601, 308.918



13, 39.601, 358.918



13, 39.601, 128.918



13, 39.601, 178.918

Sweetspot

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



13, 39.601, 308.919



35, 14.153, 305.738



22, 17.091, 252.587



16, 9.607, 305.813



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



13, 39.601, 308.919



14, 57.189, 309.640



17, 39.851, 323.407



14, 2.830, 304.984



12, 64.912, 310.026



33, 118.468, 309.292

Inverse Universe

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



17, 31.551, 343.899



21, 42.570, 346.556



28, 39.648, 136.301



14, 2.544, 338.011



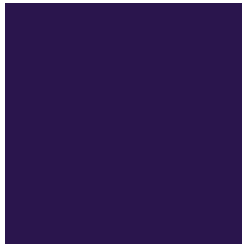
21, 45.604, 349.112



50, 81.447, 351.214

Previews

White Background



This preview shows how the CIELCh color 13, 39.601, 308.918 looks on a white background.

Color Contrast Check

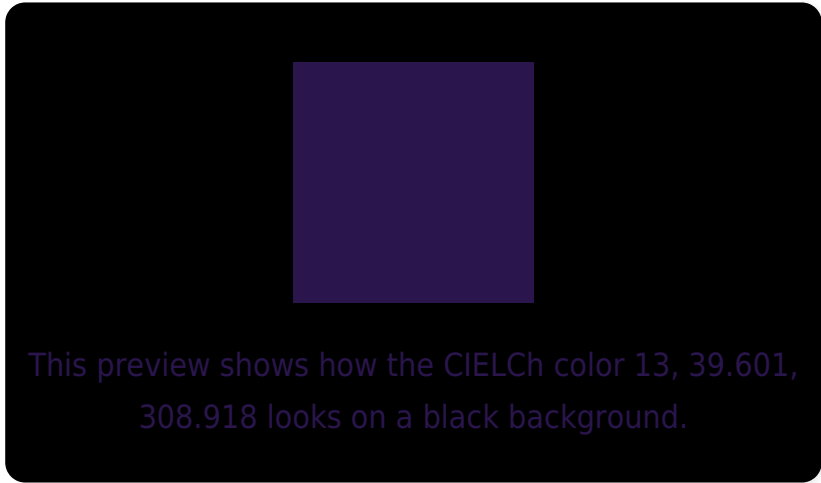
Large Text (above 18pt) WCAG AA ✓ Pass

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

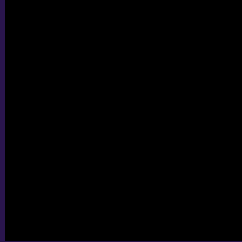
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 13, 39.601, 308.918

Background



This preview shows how black text looks on a background with the CIELCh color 13, 39.601, 308.918.



This preview shows how white text looks on a background with the CIELCh color 13, 39.601, 308.918.

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

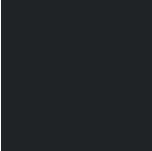
13, 39.601, 308.918

Protanopia

13, 26.999, 281.371

Deuteranopia

13, 20.097, 268.423



Tritanopia
14, 2.540, 257.103

Trichromacy



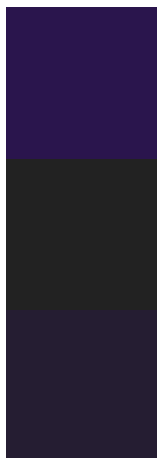
Original Color
13, 39.601, 308.918

Protanomaly
12, 31.586, 292.305

Deuteranomaly
12, 26.738, 288.732

Tritanomaly
13, 16.079, 303.414

Monochromacy



Original Color
13, 39.601, 308.918

Achromatopsia
13, 0.003, 296.813

Achromatomaly
13, 15.581, 306.904

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 39.601, 308.918 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(42, 21, 77)` looks like.

```
.text, #text, p{  
    color:rgb(42, 21, 77)  
}
```

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(42, 21, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 21, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 39.601, 308.918 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(42, 21, 77) }
```

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

```
.border{ border-color:rgb(42, 21, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 21, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 21, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 21, 77);  
box-shadow:4px 4px 4px 4px rgb(42, 21, 77)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 13, 39.601, 308.918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 21, 77) }
```

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

```
.background{ background-color: rgb(42, 21,  
77) }
```

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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