

Converting Colors

CIELCh(10, 54.047, 312.918)

Have a look what the booklet for
CIELCh(10, 54.047, 312.918)
contains.

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Color

CIELCh(10, 54.104, 312.786)

Conversions

Conversions Part 1

Format	Color
Hex	2A0153
RGB	42, 1, 83
RGB Percent	16%, 0%, 33%
CMY	0.8363, 0.9967, 0.6754
CMYK	0.50, 0.99, 0.00, 0.68
HSL	270°, 98%, 16%
HSV	270°, 99%, 32%
XYZ	2.5062, 1.1260, 8.2218
YIQ	22.6070, -1.8860, 34.1940

Conversions

Conversions Part 2

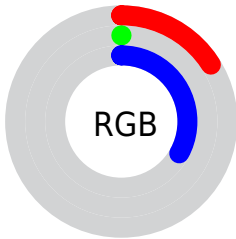
Format	Color
R_{YB}	42, 1, 83
Decimal	2752851
CIE _{Lab}	10.00, 36.75, -39.71
CIE _{LCh}	10, 54.104, 312.786
Yxy	1.1260, 0.2114, 0.0950
Android (android.graphics.Color)	4280942931 (0xFF2A0153)
YUV	22.6070, 29.7737, 17.0077
Hunter-Lab	10.6114, 23.5876, -38.5106

Details

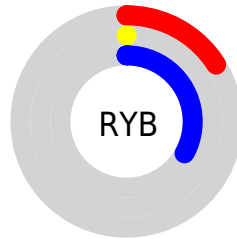
The CIELCh color **10, 54.104, 312.786** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **31, 47.171, 126.651**, and the grayscale version is **7, 0.002, 296.812**.

A 20% lighter version of the original color is **30, 54.066, 312.819**, and **2, 21.685, 290.735** is the 20% darker color. If you saturate the color by 10%, you get **10, 54.614, 312.834**, and if you desaturate by 10%, it is **12, 49.544, 312.555**.

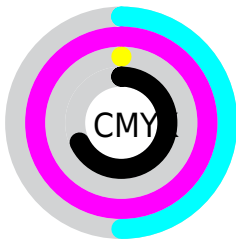
Distribution



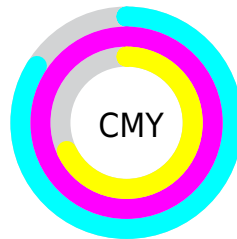
- Red (16%)
- Green (0%)
- Blue (33%)



- Red (16%)
- Yellow (0%)
- Blue (33%)



- Cyan (50%)
- Magenta (99%)
- Yellow (0%)
- Black (68%)





- Cyan (84%)
- Magenta (100%)
- Yellow (68%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 10, 54.104, 312.786 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 10, 54.104, 312.786 by changing the saturation by 10% instead.


 10, 54.104,
312.786

 10, 54.104,
312.786


 100, 54.104,
312.786


 0, 54.104, 312.786

 30, 54.104,
312.786

 40, 54.104,
312.786


 50, 54.104,
312.786


 60, 54.104,
312.786

 70, 54.104,
312.786


 80, 54.104,


312.786


 90, 54.104,
312.786


 10, 54.104,
312.786


 10, 54.104,
312.786


 10, 54.614,
312.834

 12, 49.544,
312.555

 14, 45.097,
312.474

 16, 39.888,
312.191

 19, 34.221,
311.783

 21, 28.333,
311.309

■ 24, 22.385,
310.813

■ 27, 16.476,
310.320

■ 30, 10.666,
309.848

■ 33, 4.988, 309.402

Harmonies

Complementary

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



10, 54.104, 312.786



31, 47.171, 126.651

Rectangle

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



10, 54.104, 312.786



10, 54.104, 2.786



10, 54.104, 132.786



10, 54.104, 182.786

Sweetspot

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



10, 54.104, 312.787



35, 21.136, 310.418



17, 28.202, 277.761



15, 14.287, 310.533



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



10, 54.104, 312.787



15, 65.567, 312.453



17, 50.763, 327.611



15, 3.060, 309.390



14, 64.441, 312.485



37, 116.389, 311.721

Inverse Universe

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



16, 37.515, 357.982



22, 44.980, 359.660



30, 52.407, 135.944



15, 2.465, 344.225



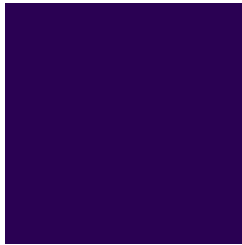
21, 44.234, 359.535



50, 78.834, 2.644

Previews

White Background



This preview shows how the CIE LCh color 10, 54.104, 312.786 looks on a white background.

Color Contrast Check

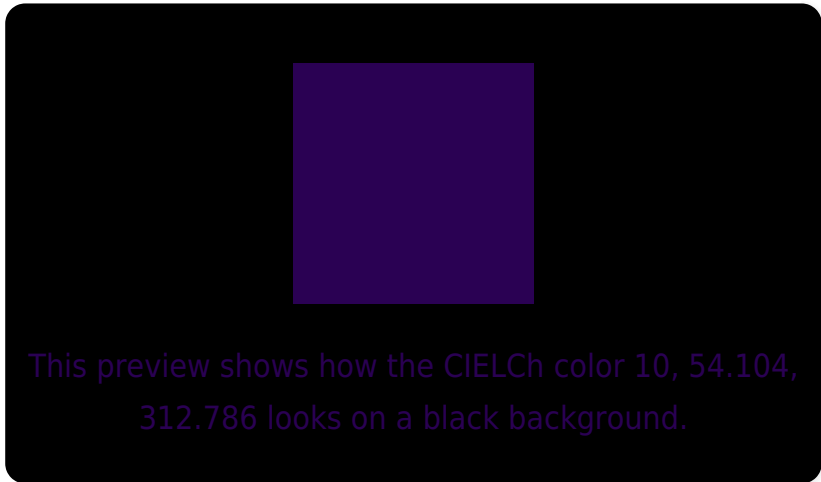
Large Text (above 18pt) WCAG AA ✓ Pass

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

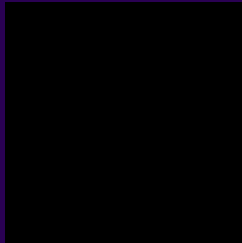
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 10, 54.104, 312.786

Background



This preview shows how black text looks on a background with the CIELCh color 10, 54.104, 312.786.



This preview shows how white text looks on a background with the CIELCh color 10, 54.104, 312.786.

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

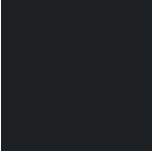
10, 54.104, 312.786

Protanopia

12, 24.491, 279.290

Deuteranopia

12, 17.758, 263.683



Tritanopia
12, 2.841, 249.261

Trichromacy



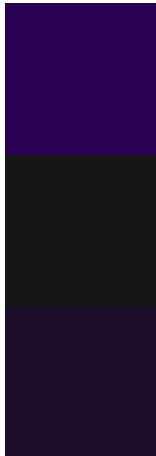
Original Color
10, 54.104, 312.786

Protanomaly
9, 37.208, 298.939

Deuteranomaly
9, 32.369, 297.023

Tritanomaly
10, 23.270, 308.181

Monochromacy



Original Color
10, 54.104, 312.786

Achromatopsia
7, 0.002, 296.812

Achromatomaly
7, 23.035, 311.550

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 10, 54.104, 312.786 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, 1, 83)` looks like.

```
.text, #text, p{  
    color:rgb(42, 1, 83)  
}
```

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, 1, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 1, 83) }
```

Border

The CSS property to change the border of an element to CIELCh 10, 54.104, 312.786 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, 1, 83) }
```

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

```
.border{ border-color:rgb(42, 1, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 1, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 1, 83); -webkit-box-shadow:4px  
4px 4px 4px rgb(42, 1, 83); box-shadow:4px  
4px 4px 4px rgb(42, 1, 83) }
```

Background

The CSS property to change the background color of an element to CIELCh 10, 54.104, 312.786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 1, 83) }
```

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

```
.background{ background-color: rgb(42, 1,  
83) }
```

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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