

Converting Colors

CIELCh(10, 54.808, 313.177)

Have a look what the booklet for
CIELCh(10, 54.808, 313.177)
contains.

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Color

CIELCh(10, 54.520, 313.257)

Conversions

Conversions Part 1

Format	Color
Hex	2B0053
RGB	43, 0, 83
RGB Percent	17%, 0%, 33%
CMY	0.8323, 1.0000, 0.6754
CMYK	0.48, 1.00, 0.00, 0.68
HSL	271°, 100%, 16%
HSV	271°, 100%, 32%
XYZ	2.5371, 1.1260, 8.2217
YIQ	22.3190, -1.0150, 34.9290

Conversions

Conversions Part 2

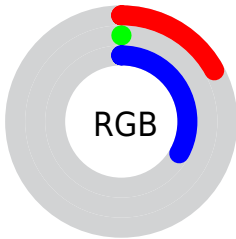
Format	Color
R_{YB}	43, 0, 83
Decimal	2818131
CIE _{Lab}	10.00, 37.36, -39.71
CIE _{LCh}	10, 54.520, 313.257
Yxy	1.1260, 0.2135, 0.0947
Android (android.graphics.Color)	4281008211 (0xFF2B0053)
YUV	22.3190, 29.9157, 18.1372
Hunter-Lab	10.6114, 24.1083, -38.5098

Details

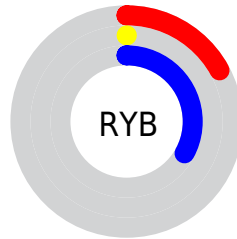
The CIELCh color **10, 54.520, 313.257** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **31, 47.770, 127.202**, and the grayscale version is **7, 0.002, 296.812**.

A 20% lighter version of the original color is **30, 54.081, 313.169**, and **2, 21.685, 290.735** is the 20% darker color. If you saturate the color by 10%, you get **10, 54.433, 313.227**, and if you desaturate by 10%, it is **12, 49.861, 312.994**.

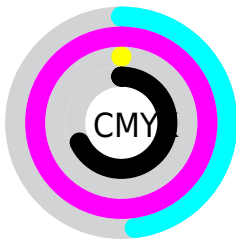
Distribution



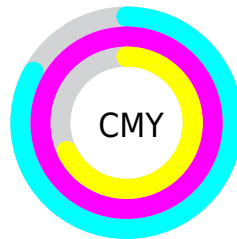
- Red (17%)
- Green (0%)
- Blue (33%)



- Red (17%)
- Yellow (0%)
- Blue (33%)



- Cyan (48%)
- Magenta (100%)
- Yellow (0%)
- Black (68%)





- Cyan (83%)
- Magenta (100%)
- Yellow (68%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 10, 54.520, 313.257 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, 54.520, 313.257 by changing the saturation by 10% instead.


 10, 54.520,
313.257

 10, 54.520,
313.257

 100, 54.520,
313.257

 0, 54.520, 313.257

 30, 54.520,
313.257

 40, 54.520,
313.257


 50, 54.520,
313.257


 60, 54.520,
313.257


 70, 54.520,
313.257


 80, 54.520,


313.257


 90, 54.520,
313.257


 10, 54.520,
313.257


 10, 54.520,
313.257


 10, 54.433,
313.227

 12, 49.861,
312.994

 14, 45.538,
312.954

 16, 40.438,
312.716

 19, 34.837,
312.343

 21, 28.979,
311.895

■ 24, 23.035,
311.417

■ 27, 17.114,
310.938

■ 29, 11.280,
310.475

■ 32, 5.570, 310.035

Harmonies

Complementary

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



10, 54.520, 313.257



31, 47.770, 127.202

Rectangle

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



10, 54.520, 313.257



10, 54.520, 3.257



10, 54.520, 133.257



10, 54.520, 183.257

Sweetspot

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



10, 54.433, 313.227



35, 21.195, 310.987



17, 29.399, 279.855



15, 14.325, 311.098



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, 54.433, 313.227



15, 65.337, 312.849



18, 51.015, 328.233



15, 3.071, 309.980



14, 64.216, 312.881



38, 115.954, 312.117

Inverse Universe

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



15, 37.594, 359.670



21, 44.825, 1.190



30, 52.874, 136.016



15, 2.437, 345.166



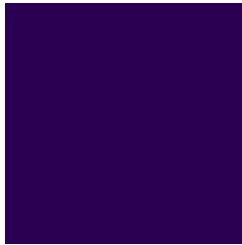
21, 44.080, 1.059



50, 78.686, 4.308

Previews

White Background



This preview shows how the CIELCh color 10, 54.520, 313.257 looks on a white background.

Color Contrast Check

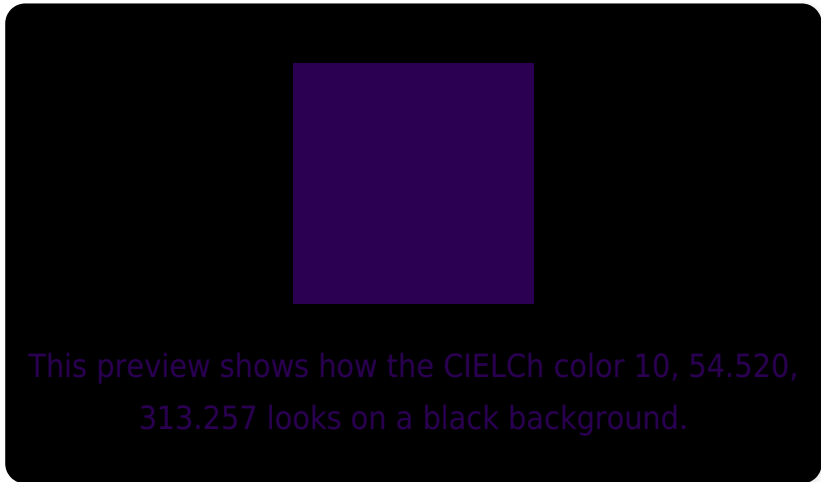
Large Text (above 18pt) WCAG AA ✓ Pass

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

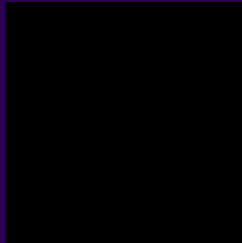
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 10, 54.520, 313.257

Background



This preview shows how black text looks on a background with the CIELCh color 10, 54.520, 313.257.



This preview shows how white text looks on a background with the CIELCh color 10, 54.520, 313.257.

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, 54.520, 313.257

Protanopia

12, 25.143, 280.179

Deuteranopia

12, 18.318, 265.390



Tritanopia
12, 2.354, 266.924

Trichromacy



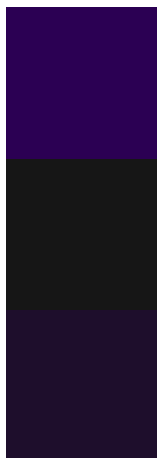
Original Color
10, 54.520, 313.257

Protanomaly
10, 37.180, 299.228

Deuteranomaly
9, 33.029, 297.607

Tritanomaly
10, 24.155, 310.743

Monochromacy



Original Color
10, 54.520, 313.257

Achromatopsia
7, 0.002, 296.812

Achromatomaly
7, 23.133, 312.633

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 10, 54.520, 313.257 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, 0, 83)` looks like.

```
.text, #text, p{  
    color:rgb(43, 0, 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(43, 0, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 0, 83) }
```

Border

The CSS property to change the border of an element to CIELCh 10, 54.520, 313.257 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, 0, 83) }
```

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

```
.border{ border-color:rgb(43, 0, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 0, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 0, 83); -webkit-box-shadow:4px  
4px 4px 4px rgb(43, 0, 83); box-shadow:4px  
4px 4px 4px rgb(43, 0, 83) }
```

Background

The CSS property to change the background color of an element to CIELCh 10, 54.520, 313.257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 0, 83) }
```

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

```
.background{ background-color: rgb(43, 0,  
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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