

Converting Colors

CIELCh(10, 29.489, 321.249)

Have a look what the booklet for
CIELCh(10, 29.489, 321.249)
contains.

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Color

CIELCh(10, 29.683, 321.088)

Conversions

Conversions Part 1

Format	Color
Hex	2D0E35
RGB	45, 14, 53
RGB Percent	18%, 5%, 21%
CMY	0.8237, 0.9453, 0.7924
CMYK	0.15, 0.74, 0.00, 0.79
HSL	288°, 58%, 13%
HSV	288°, 74%, 21%
XYZ	1.8777, 1.1260, 3.4803
YIQ	27.7150, 5.9570, 18.7010

Conversions

Conversions Part 2

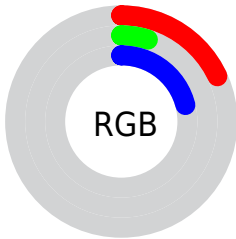
Format	Color
R_{YB}	45, 14, 53
Decimal	2952757
CIE _{Lab}	10.00, 23.10, -18.64
CIE _{LCh}	10, 29.683, 321.088
Yxy	1.1260, 0.2896, 0.1737
Android (android.graphics.Color)	4281142837 (0xFF2D0E35)
YUV	27.7150, 12.4655, 15.1589
Hunter-Lab	10.6114, 13.0159, -12.0180

Details

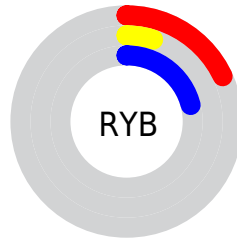
The CIELCh color **10, 29.683, 321.088** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **19, 29.040, 135.078**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **30, 29.737, 320.822**, and **0, 1.613, 290.178** is the 20% darker color. If you saturate the color by 10%, you get **9, 32.844, 321.206**, and if you desaturate by 10%, it is **11, 26.110, 320.880**.

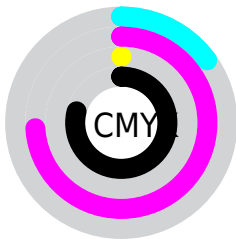
Distribution



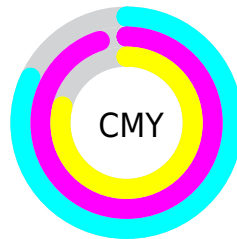
- Red (18%)
- Green (5%)
- Blue (21%)



- Red (18%)
- Yellow (5%)
- Blue (21%)



- Cyan (15%)
- Magenta (74%)
- Yellow (0%)
- Black (79%)



- Cyan (82%)
- Magenta (95%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 10, 29.683, 321.088 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, 29.683, 321.088 by changing the saturation by 10% instead.

■ 10, 29.683,
321.088

■ 10, 29.683,
321.088

■ 100, 29.683,
321.088

■ 0, 29.683, 321.088

■ 30, 29.683,
321.088

■ 40, 29.683,
321.088


■ 50, 29.683,
321.088


■ 60, 29.683,
321.088

■ 70, 29.683,
321.088

■ 80, 29.683,


321.088

 90, 29.683,
321.088


 10, 29.683,
321.088

 10, 29.683,
321.088


 9, 32.844, 321.206


 11, 26.110,
320.880

 8, 36.149, 321.386

 13, 22.231,
320.599

 7, 38.279, 321.475

 14, 18.163,
320.269

 16, 13.996,
319.908

 18, 9.799, 319.532

■ 20, 5.620, 319.149

■ 21, 1.493, 318.737

■ 23, 2.561, 138.464

■ 25, 6.529, 138.100

Harmonies

Complementary

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



10, 29.683, 321.088



19, 29.040, 135.078

Rectangle

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



10, 29.683, 321.088



10, 29.683, 11.088



10, 29.683, 141.088



10, 29.683, 191.088

Sweetspot

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



10, 29.682, 321.088



24, 11.354, 319.512



8, 22.822, 291.003



11, 7.708, 319.531



67, 0.008, 296.813



14, 0.003, 296.813

Same Dimension

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



10, 29.682, 321.088



12, 41.661, 321.198



11, 25.075, 338.582



8, 2.194, 318.934



16, 54.678, 321.031



44, 104.284, 320.449

Inverse Universe

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



10, 20.890, 12.839



13, 30.380, 18.435



19, 25.260, 147.221



8, 1.394, 3.400



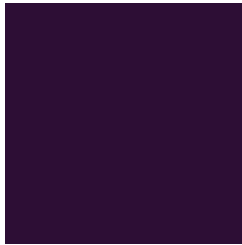
16, 41.535, 24.317



45, 82.376, 29.694

Previews

White Background



This preview shows how the CIELCh color 10, 29.683, 321.088 looks on a white background.

Color Contrast Check

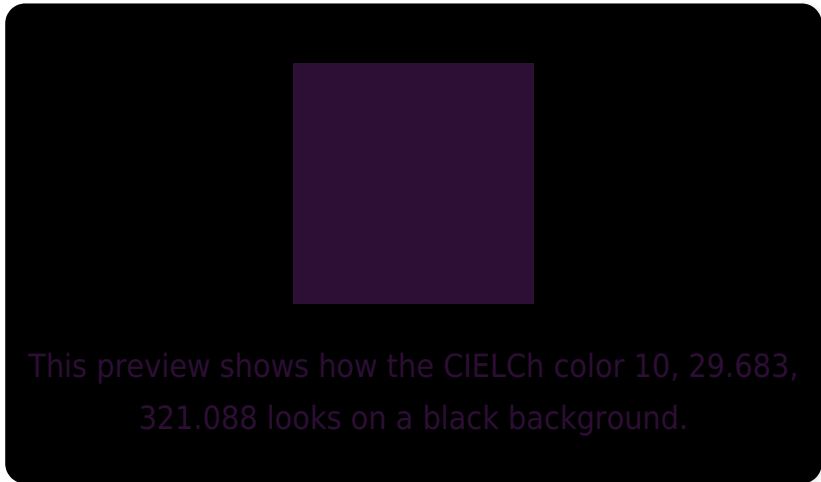
Large Text (above 18pt) WCAG AA ✓ Pass

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

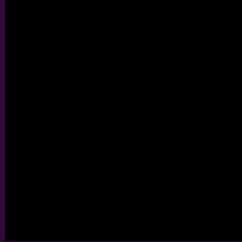
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 10, 29.683, 321.088

Background



This preview shows how black text looks on a background with the CIELCh color 10, 29.683, 321.088.



This preview shows how white text looks on a background with the CIELCh color 10, 29.683, 321.088.

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

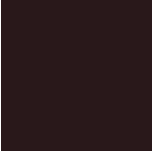
10, 29.683, 321.088

Protanopia

10, 23.308, 279.483

Deuteranopia

10, 16.121, 273.742



Tritanopia
11, 9.161, 13.308

Trichromacy



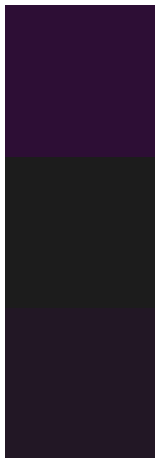
Original Color
10, 29.683, 321.088

Protanomaly
9, 25.176, 293.192

Deuteranomaly
10, 19.970, 295.350

Tritanomaly
10, 15.514, 336.247

Monochromacy



Original Color
10, 29.683, 321.088

Achromatopsia
10, 0.003, 296.813

Achromatomaly
10, 11.590, 319.666

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 10, 29.683, 321.088 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(45, 14, 53)` looks like.

```
.text, #text, p{  
    color:rgb(45, 14, 53)  
}
```

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(45, 14, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 14, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 10, 29.683, 321.088 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(45, 14, 53) }
```

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

```
.border{ border-color:rgb(45, 14, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 14, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 14, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 14, 53);  
box-shadow:4px 4px 4px 4px rgb(45, 14, 53)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 10, 29.683, 321.088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 14, 53) }
```

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

```
.background{ background-color: rgb(45, 14,  
53) }
```

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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