

Converting Colors

CIELCh(10, 30.616, 327.753)

Have a look what the booklet for
CIELCh(10, 30.616, 327.753)
contains.

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Color

CIELCh(10, 30.746, 327.670)

Conversions

Conversions Part 1

Format	Color
Hex	320A32
RGB	50, 10, 50
RGB Percent	20%, 4%, 20%
CMY	0.8039, 0.9607, 0.8039
CMYK	0.00, 0.80, 0.00, 0.80
HSL	300°, 67%, 12%
HSV	300°, 80%, 20%
XYZ	2.0004, 1.1260, 3.1306
YIQ	26.5200, 11.0000, 20.9200

Conversions

Conversions Part 2

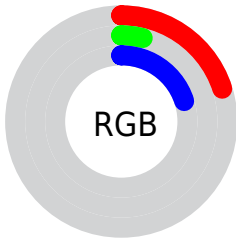
Format	Color
R_{YB}	50, 10, 50
Decimal	3279410
CIE _{Lab}	10.00, 25.98, -16.44
CIE _{LCh}	10, 30.746, 327.670
Yxy	1.1260, 0.3197, 0.1800
Android (android.graphics.Color)	4281469490 (0xFF320A32)
YUV	26.5200, 11.5756, 20.5920
Hunter-Lab	10.6114, 15.0805, -10.0636

Details

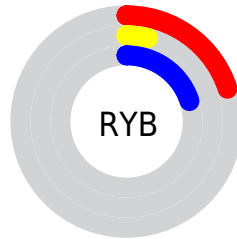
The CIELCh color **10, 30.746, 327.670** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **17, 30.889, 139.171**, and the grayscale version is **9, 0.003, 296.813**.

A 20% lighter version of the original color is **30, 31.280, 327.283**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **9, 33.561, 327.941**, and if you desaturate by 10%, it is **11, 27.790, 327.379**.

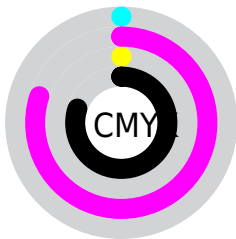
Distribution



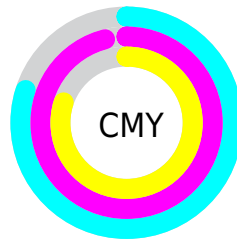
- Red (20%)
- Green (4%)
- Blue (20%)



- Red (20%)
- Yellow (4%)
- Blue (20%)



- Cyan (0%)
- Magenta (80%)
- Yellow (0%)
- Black (80%)



- Cyan (80%)
- Magenta (96%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 10, 30.746, 327.670 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, 30.746, 327.670 by changing the saturation by 10% instead.

■ 10, 30.746,
327.670

■ 10, 30.746,
327.670

■ 100, 30.746,
327.670

■ 0, 30.746, 327.670

■ 30, 30.746,
327.670

■ 40, 30.746,
327.670


■ 50, 30.746,
327.670


■ 60, 30.746,
327.670


■ 70, 30.746,
327.670

■ 80, 30.746,


327.670

 90, 30.746,
327.670


 10, 30.746,
327.670

 10, 30.746,
327.670


 9, 33.561, 327.941


 11, 27.790,
327.379


 8, 36.648, 328.233

 12, 24.381,
327.037

 8, 36.655, 328.233

 13, 20.631,
326.653

 15, 16.650,
326.236

 16, 12.529,
325.796

■ 18, 8.344, 325.341

■ 19, 4.152, 324.873

■ 21, 0.005, 164.995

■ 22, 4.097, 144.019

Harmonies

Complementary

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



10, 30.746, 327.670



17, 30.889, 139.171

Rectangle

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



10, 30.746, 327.670



10, 30.746, 17.670



10, 30.746, 147.670



10, 30.746, 197.670

Sweetspot

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



10, 30.745, 327.670



22, 12.299, 325.580



5, 28.587, 297.570



10, 8.541, 325.621



66, 0.008, 296.813



13, 0.003, 296.813

Same Dimension

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



10, 30.745, 327.670



13, 41.630, 328.138



9, 22.579, 351.973



8, 2.334, 324.790



19, 53.727, 328.233



52, 102.222, 328.233

Inverse Universe

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



10, 30.745, 327.670



13, 41.630, 328.138



18, 21.482, 155.782



8, 2.334, 324.790



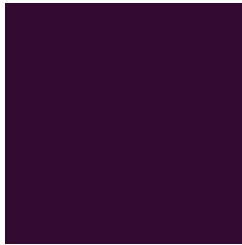
19, 53.727, 328.233



52, 102.222, 328.233

Previews

White Background



This preview shows how the CIELCh color 10, 30.746, 327.670 looks on a white background.

Color Contrast Check

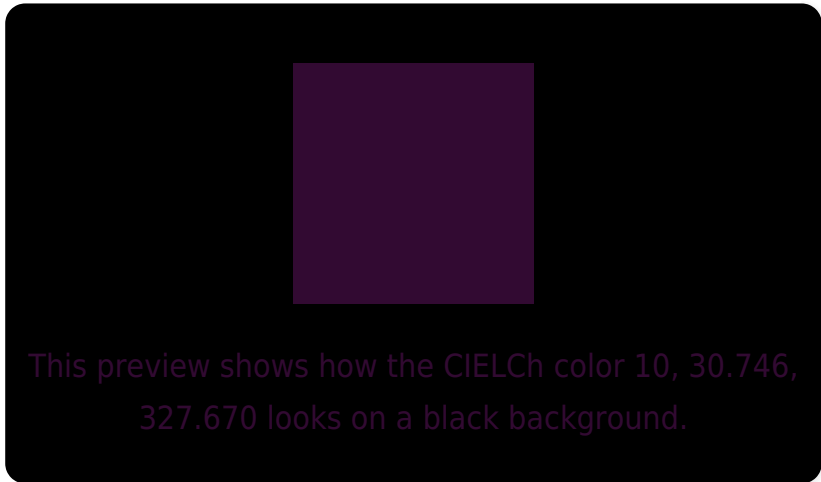
Large Text (above 18pt) WCAG AA ✓ Pass

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

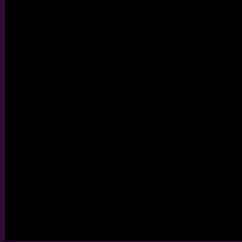
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 10, 30.746, 327.670

Background



This preview shows how black text looks on a background with the CIELCh color 10, 30.746, 327.670.



This preview shows how white text looks on a background with the CIELCh color 10, 30.746, 327.670.

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, 30.746, 327.670

Protanopia

11, 23.267, 278.772

Deuteranopia

11, 12.879, 275.209



Tritanopia
11, 14.201, 18.571

Trichromacy



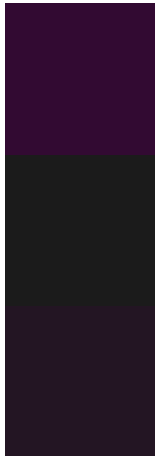
Original Color
10, 30.746, 327.670

Protanomaly
9, 25.222, 295.202

Deuteranomaly
10, 18.733, 304.338

Tritanomaly
10, 18.471, 348.530

Monochromacy



Original Color
10, 30.746, 327.670

Achromatopsia
10, 0.003, 296.813

Achromatomaly
9, 12.319, 326.087

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 10, 30.746, 327.670 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(50, 10, 50)` looks like.

```
.text, #text, p{  
    color:rgb(50, 10, 50)  
}
```

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(50, 10, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 10, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 10, 30.746, 327.670 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(50, 10, 50) }
```

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

```
.border{ border-color:rgb(50, 10, 50) }
```

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

Here you see how a box with a 4 pixel rgb(50, 10, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 10, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 10, 50);  
box-shadow:4px 4px 4px 4px rgb(50, 10, 50)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 10, 30.746, 327.670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 10, 50) }
```

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

```
.background{ background-color: rgb(50, 10,  
50) }
```

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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