

Converting Colors

CIELCh(10, 26.682, 333.474)

Have a look what the booklet for
CIELCh(10, 26.682, 333.474)
contains.

CIELCh(10, 26.650, 333.109)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(10, 26.650, 333.109)

Conversions

Conversions Part 1

Format	Color
Hex	320C2C
RGB	50, 12, 44
RGB Percent	20%, 5%, 17%
CMY	0.8037, 0.9527, 0.8272
CMYK	0.00, 0.76, 0.12, 0.80
HSL	309°, 61%, 12%
HSV	309°, 76%, 20%
XYZ	1.9058, 1.1260, 2.5048
YIQ	27.0100, 12.3760, 18.0080

Conversions

Conversions Part 2

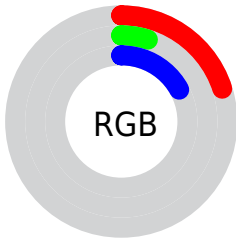
Format	Color
R_{YB}	50, 12, 44
Decimal	3279916
CIE Lab	10.00, 23.77, -12.05
CIE LCh	10, 26.650, 333.109
Yxy	1.1260, 0.3442, 0.2034
Android (android.graphics.Color)	4281469996 (0xFF320C2C)
YUV	27.0100, 8.3761, 20.1622
Hunter-Lab	10.6114, 13.4891, -6.5674

Details

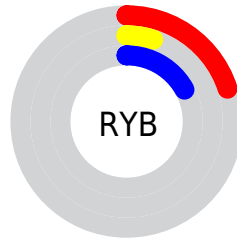
The CIELCh color **10, 26.650, 333.109** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **17, 27.159, 142.964**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **30, 26.614, 332.892**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **9, 29.130, 333.655**, and if you desaturate by 10%, it is **11, 23.818, 332.560**.

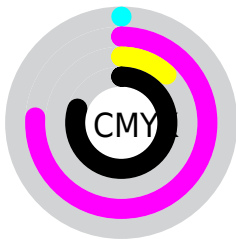
Distribution



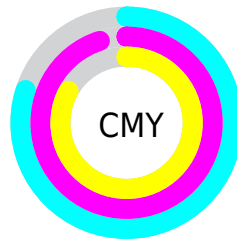
- Red (20%)
- Green (5%)
- Blue (17%)



- Red (20%)
- Yellow (5%)
- Blue (17%)



- Cyan (0%)
- Magenta (76%)
- Yellow (12%)
- Black (80%)





- Cyan (80%)
- Magenta (95%)
- Yellow (83%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 10, 26.650, 333.109 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, 26.650, 333.109 by changing the saturation by 10% instead.


 10, 26.650,
333.109


 10, 26.650,
333.109


 100, 26.650,
333.109


 0, 26.650, 333.109

 30, 26.650,
333.109

 40, 26.650,
333.109


 50, 26.650,
333.109


 60, 26.650,
333.109


 70, 26.650,
333.109

 80, 26.650,


333.109

 90, 26.650,
333.109


 10, 26.650,
333.109

 10, 26.650,
333.109


 9, 29.130, 333.655


 11, 23.818,
332.560

 8, 31.844, 334.149

 12, 20.605,
332.016

 8, 33.031, 334.333

 14, 17.123,
331.476

 15, 13.470,
330.940

 17, 9.728, 330.410

■ 18, 5.957, 329.885

■ 20, 2.202, 329.347

■ 21, 1.504, 148.983

■ 23, 5.143, 148.454

Harmonies

Complementary

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



10, 26.650, 333.109



17, 27.159, 142.964

Rectangle

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



10, 26.650, 333.109



10, 26.650, 23.109



10, 26.650, 153.109



10, 26.650, 203.109

Sweetspot

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



10, 26.649, 333.109



23, 10.928, 330.325



6, 27.942, 301.735



10, 7.400, 330.372



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, 26.649, 333.109



13, 37.058, 334.243



9, 20.665, 2.051



8, 2.092, 329.479



19, 47.896, 335.095



50, 90.240, 335.799

Inverse Universe

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



10, 26.649, 333.109



13, 37.058, 334.243



18, 17.912, 165.139



8, 2.092, 329.479



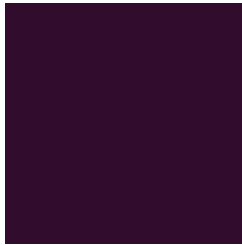
19, 47.896, 335.095



50, 90.240, 335.799

Previews

White Background



This preview shows how the CIELCh color 10, 26.650, 333.109 looks on a white background.

Color Contrast Check

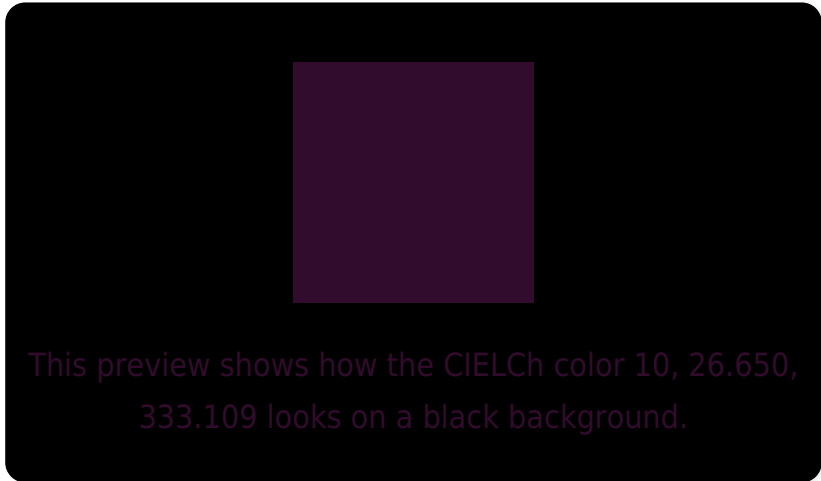
Large Text (above 18pt) WCAG AA ✓ Pass

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

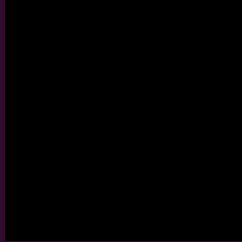
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 10, 26.650, 333.109

Background



This preview shows how black text looks on a background with the CIELCh color 10, 26.650, 333.109.



This preview shows how white text looks on a background with the CIELCh color 10, 26.650, 333.109.

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, 26.650, 333.109

Protanopia

11, 22.218, 283.571

Deuteranopia

11, 9.608, 282.987



Tritanopia
10, 15.460, 21.951

Trichromacy



Original Color
10, 26.650, 333.109

Protanomaly
9, 23.009, 299.834

Deuteranomaly
10, 15.552, 312.544

Tritanomaly
10, 17.867, 358.095

Monochromacy



Original Color
10, 26.650, 333.109

Achromatopsia
10, 0.003, 296.813

Achromatomaly
9, 10.312, 330.692

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 10, 26.650, 333.109 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, 12, 44)` looks like.

```
.text, #text, p{  
    color:rgb(50, 12, 44)  
}
```

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, 12, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 12, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 10, 26.650, 333.109 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, 12, 44) }
```

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

```
.border{ border-color:rgb(50, 12, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 12, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 12, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 12, 44);  
box-shadow:4px 4px 4px 4px rgb(50, 12, 44)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 10, 26.650, 333.109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 12, 44) }
```

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

```
.background{ background-color: rgb(50, 12,  
44) }
```

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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