

Converting Colors

CIELCh(10, 9.920, 330.901)

Have a look what the booklet for
CIELCh(10, 9.920, 330.901) contains.

CIELCh(10, 10.272, 330.656)	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, 10.272, 330.656)

Conversions

Conversions Part 1

Format	Color
Hex	241722
RGB	36, 23, 34
RGB Percent	14%, 9%, 13%
CMY	0.8574, 0.9084, 0.8652
CMYK	0.00, 0.36, 0.06, 0.86
HSL	309°, 22%, 12%
HSV	309°, 36%, 14%
XYZ	1.3478, 1.1260, 1.6872
YIQ	28.1410, 4.2170, 6.1770

Conversions

Conversions Part 2

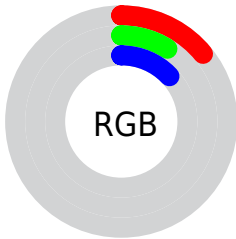
Format	Color
R_YB	36, 23, 34
Decimal	2365218
CIE Lab	10.00, 8.95, -5.03
CIE LCh	10, 10.272, 330.656
Yxy	1.1260, 0.3239, 0.2706
Android (android.graphics.Color)	4280555298 (0xFF241722)
YUV	28.1410, 2.8885, 6.8923
Hunter-Lab	10.6114, 4.1024, -1.9990

Details

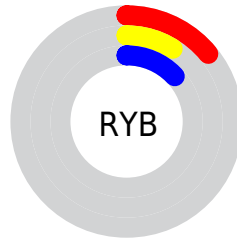
The CIELCh color **10, 10.272, 330.656** is a dark color, and the websafe version is hex **000000**. A complement of this color would be **13, 10.244, 146.978**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **30, 10.083, 331.572**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **9, 13.091, 331.147**, and if you desaturate by 10%, it is **11, 7.401, 330.170**.

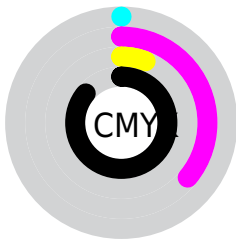
Distribution



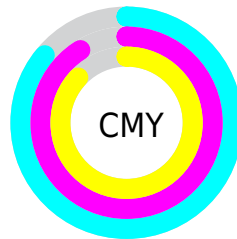
- Red (14%)
- Green (9%)
- Blue (13%)



- Red (14%)
- Yellow (9%)
- Blue (13%)



- Cyan (0%)
- Magenta (36%)
- Yellow (6%)
- Black (86%)





- Cyan (86%)
- Magenta (91%)
- Yellow (87%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 10, 10.272, 330.656 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, 10.272, 330.656 by changing the saturation by 10% instead.


 10, 10.272,
330.656


 10, 10.272,
330.656


 100, 10.272,
330.656


 0, 10.272, 330.656

 30, 10.272,
330.656

 40, 10.272,
330.656


 50, 10.272,
330.656


 60, 10.272,
330.656


 70, 10.272,
330.656

 80, 10.272,

330.656

 90, 10.272,
330.656


 10, 10.272,
330.656

 10, 10.272,
330.656

 9, 13.091, 331.147

 11, 7.401, 330.170

 8, 15.807, 331.639

 12, 4.519, 329.687

 7, 18.123, 332.052

 14, 1.651, 329.187

 6, 19.958, 332.413

 15, 1.182, 148.870

 5, 21.655, 332.698

 16, 3.967, 148.376

 5, 23.308, 332.907

 18, 6.696, 147.942

 4, 23.987, 332.975

 19, 9.364, 147.529

■ 20, 11.968,
147.134

■ 21, 14.510,
146.756

Harmonies

Complementary

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



10, 10.272, 330.656



13, 10.244, 146.978

Rectangle

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



10, 10.272, 330.656



10, 10.272, 20.656



10, 10.272, 150.656



10, 10.272, 200.656

Sweetspot

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



10, 10.271, 330.656



18, 4.007, 329.494



9, 9.818, 298.541



8, 2.724, 329.461



63, 0.008, 296.813



9, 0.003, 296.813

Same Dimension

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



10, 10.271, 330.656



13, 15.681, 331.167



10, 7.508, 355.492



5, 1.123, 329.109



17, 45.223, 334.802



48, 88.125, 335.563

Inverse Universe

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



10, 10.271, 330.656



13, 15.681, 331.167



13, 7.022, 169.905



5, 1.123, 329.109



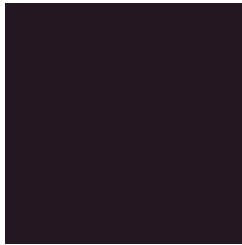
17, 45.223, 334.802



48, 88.125, 335.563

Previews

White Background



This preview shows how the CIELCh color 10, 10.272, 330.656 looks on a white background.

Color Contrast Check

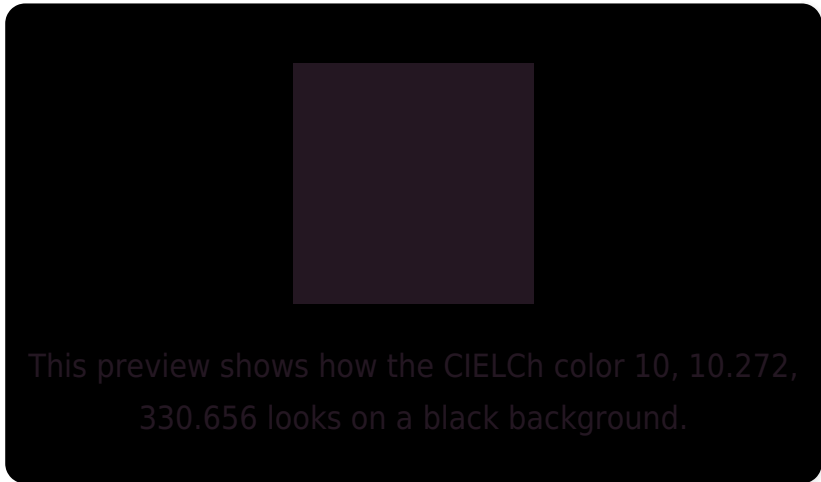
Large Text (above 18pt) WCAG AA ✓ Pass

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, 10.272, 330.656

Background



This preview shows how black text looks on a background with the CIELCh color 10, 10.272, 330.656.

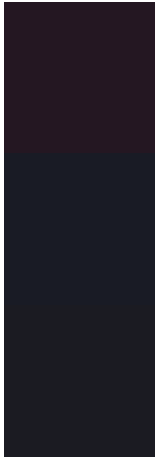


This preview shows how white text looks on a background with the CIELCh color 10, 10.272, 330.656.

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, 10.272, 330.656

Protanopia

10, 7.420, 285.656

Deuteranopia

10, 5.174, 291.866



Tritanopia
10, 5.428, 5.478

Trichromacy



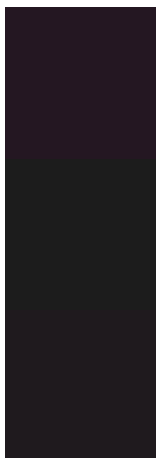
Original Color
10, 10.272, 330.656

Protanomaly
10, 7.558, 303.171

Deuteranomaly
10, 6.247, 309.888

Tritanomaly
10, 7.105, 343.313

Monochromacy



Original Color
10, 10.272, 330.656

Achromatopsia
10, 0.003, 296.813

Achromatomaly
10, 3.892, 331.244

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 10, 10.272, 330.656 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(36, 23, 34)` looks like.

```
.text, #text, p{  
    color:rgb(36, 23, 34)  
}
```

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(36, 23, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 23, 34) }
```

Border

The CSS property to change the border of an element to CIELCh 10, 10.272, 330.656 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(36, 23, 34) }
```

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

```
.border{ border-color:rgb(36, 23, 34) }
```

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

Here you see how a box with a 4 pixel rgb(36, 23, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 23, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 23, 34);  
box-shadow:4px 4px 4px 4px rgb(36, 23, 34)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 10, 10.272, 330.656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 23, 34) }
```

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

```
.background{ background-color: rgb(36, 23,  
34) }
```

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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