

Converting Colors

CIELCh(10, 21.837, 319.865)

Have a look what the booklet for
CIELCh(10, 21.837, 319.865)
contains.

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Color

CIELCh(10, 22.100, 319.336)

Conversions

Conversions Part 1

Format	Color
Hex	28132F
RGB	40, 19, 47
RGB Percent	16%, 7%, 18%
CMY	0.8429, 0.9252, 0.8154
CMYK	0.15, 0.59, 0.00, 0.82
HSL	285°, 42%, 13%
HSV	285°, 59%, 18%
XYZ	1.6260, 1.1260, 2.8279
YIQ	28.4710, 3.5280, 13.1600

Conversions

Conversions Part 2

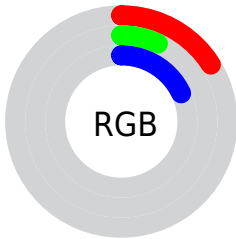
Format	Color
R_{YB}	40, 19, 47
Decimal	2626351
CIE _{Lab}	10.00, 16.76, -14.40
CIE _{LCh}	10, 22.100, 319.336
Yxy	1.1260, 0.2914, 0.2018
Android (android.graphics.Color)	4280816431 (0xFF28132F)
YUV	28.4710, 9.1348, 10.1109
Hunter-Lab	10.6114, 8.7810, -8.3725

Details

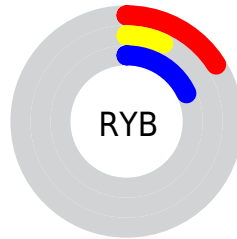
The CIELCh color **10, 22.100, 319.336** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **17, 21.511, 134.654**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **30, 22.080, 319.380**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **9, 25.540, 319.582**, and if you desaturate by 10%, it is **11, 18.471, 319.034**.

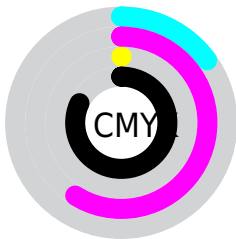
Distribution



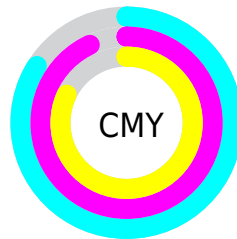
- Red (16%)
- Green (7%)
- Blue (18%)



- Red (16%)
- Yellow (7%)
- Blue (18%)



- Cyan (15%)
- Magenta (59%)
- Yellow (0%)
- Black (82%)





- Cyan (84%)
- Magenta (93%)
- Yellow (82%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 10, 22.100, 319.336 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, 22.100, 319.336 by changing the saturation by 10% instead.


 10, 22.100,
319.336


 10, 22.100,
319.336


 100, 22.100,
319.336


 0, 22.100, 319.336

 30, 22.100,
319.336

 40, 22.100,
319.336


 50, 22.100,
319.336


 60, 22.100,
319.336


 70, 22.100,
319.336

 80, 22.100,


319.336

 90, 22.100,
319.336


 10, 22.100,
319.336

 10, 22.100,
319.336

 9, 25.540, 319.582


 11, 18.471,
319.034

 7, 28.623, 319.705

 13, 14.740,
318.696

 6, 31.348, 319.623

 5, 33.975, 319.437

 15, 10.971,
318.339

 5, 34.104, 319.426

 16, 7.209, 317.975

 18, 3.485, 317.607

 20, 0.179, 137.680

■ 21, 3.771, 136.967

■ 23, 7.284, 136.642

■ 25, 10.714,
136.342

Harmonies

Complementary

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



10, 22.100, 319.336



17, 21.511, 134.654

Rectangle

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



10, 22.100, 319.336



10, 22.100, 9.336



10, 22.100, 139.336



10, 22.100, 189.336

Sweetspot

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



10, 22.099, 319.336



22, 8.298, 317.957



10, 15.631, 285.633



9, 5.631, 317.978



65, 0.008, 296.813



12, 0.003, 296.813

Same Dimension

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



10, 22.099, 319.336



12, 32.254, 319.685



11, 19.480, 335.847



7, 1.827, 317.012



14, 53.926, 319.616



42, 104.104, 318.911

Inverse Universe

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



10, 15.323, 6.180



13, 22.714, 9.308



17, 19.429, 147.884



7, 1.185, 0.047



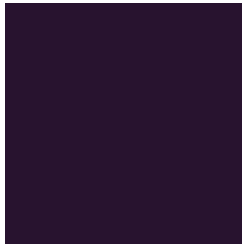
16, 39.855, 20.616



45, 79.315, 26.088

Previews

White Background



This preview shows how the CIELCh color 10, 22.100, 319.336 looks on a white background.

Color Contrast Check

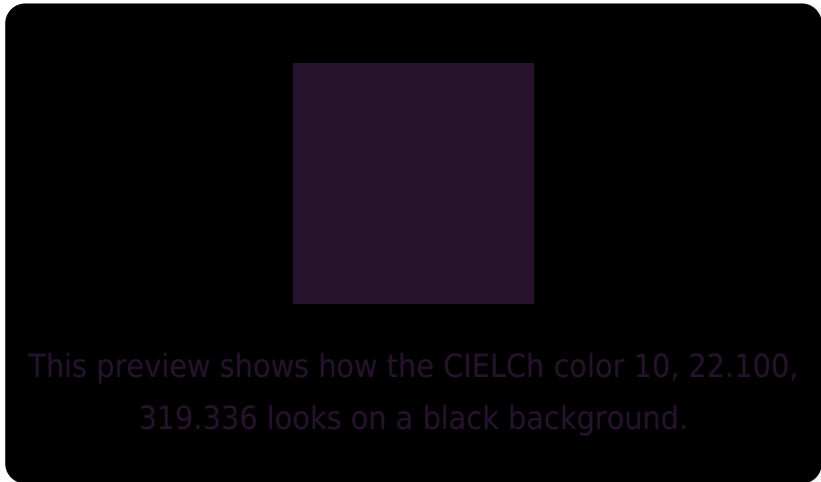
Large Text (above 18pt) WCAG AA ✓ Pass

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

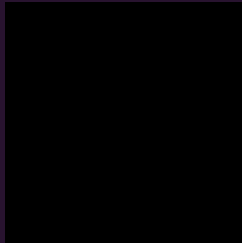
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 10, 22.100, 319.336

Background



This preview shows how black text looks on a background with the CIELCh color 10, 22.100, 319.336.



This preview shows how white text looks on a background with the CIELCh color 10, 22.100, 319.336.

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, 22.100, 319.336

Protanopia

10, 20.852, 283.381

Deuteranopia

10, 12.891, 277.065



Tritanopia
10, 6.466, 8.437

Trichromacy



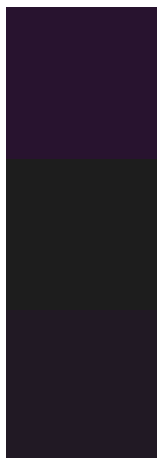
Original Color
10, 22.100, 319.336

Protanomaly
10, 20.700, 294.658

Deuteranomaly
10, 15.549, 296.512

Tritanomaly
10, 10.870, 335.110

Monochromacy



Original Color
10, 22.100, 319.336

Achromatopsia
11, 0.003, 296.813

Achromatomaly
10, 8.994, 317.591

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 10, 22.100, 319.336 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(40, 19, 47)` looks like.

```
.text, #text, p{  
    color:rgb(40, 19, 47)  
}
```

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(40, 19, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 19, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 10, 22.100, 319.336 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(40, 19, 47) }
```

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

```
.border{ border-color:rgb(40, 19, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 19, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 19, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 19, 47);  
box-shadow:4px 4px 4px 4px rgb(40, 19, 47)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 10, 22.100, 319.336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 19, 47) }
```

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

```
.background{ background-color: rgb(40, 19,  
47) }
```

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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