

Converting Colors

CIELCh(10, 20.807, 357.353)

Have a look what the booklet for
CIELCh(10, 20.807, 357.353)
contains.

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Color

CIELCh(10, 20.865, 358.259)

Conversions

Conversions Part 1

Format	Color
Hex	340E1D
RGB	52, 14, 29
RGB Percent	20%, 5%, 11%
CMY	0.7966, 0.9455, 0.8867
CMYK	0.00, 0.73, 0.44, 0.80
HSL	336°, 58%, 13%
HSV	336°, 73%, 20%
XYZ	1.7858, 1.1260, 1.2788
YIQ	27.0720, 17.8330, 12.7210

Conversions

Conversions Part 2

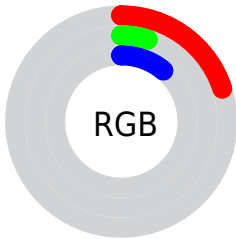
Format	Color
R_YB	52, 14, 29
Decimal	3411485
CIE Lab	10.00, 20.86, -0.63
CIE LCh	10, 20.865, 358.259
Yxy	1.1260, 0.4261, 0.2687
Android (android.graphics.Color)	4281601565 (0xFF340E1D)
YUV	27.0720, 0.9505, 21.8619
Hunter-Lab	10.6114, 11.4705, 0.2829




Details

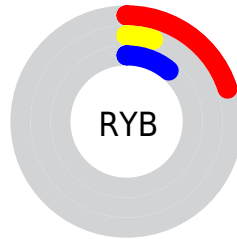
The CIELCh color **10, 20.865, 358.259** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **19, 18.688, 162.540**, and the grayscale version is **10, 0.003, 296.813**.



A 20% lighter version of the original color is **30, 21.040, 358.966**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **9, 23.121, 0.397**, and if you desaturate by 10%, it is **11, 18.302, 356.468**.

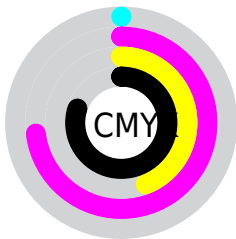
Distribution







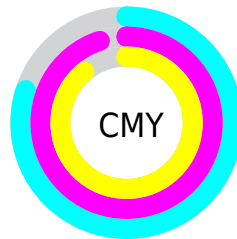
-  Red (20%)
-  Green (5%)
-  Blue (11%)






-  Red (20%)
-  Yellow (5%)
-  Blue (11%)



-  Cyan (0%)
-  Magenta (73%)
-  Yellow (44%)
-  Black (80%)





-  Cyan (80%)
-  Magenta (95%)
-  Yellow (89%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 10, 20.865, 358.259 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, 20.865, 358.259 by changing the saturation by 10% instead.


 10, 20.865,
358.259


 10, 20.865,
358.259


 100, 20.865,
358.259


 0, 20.865, 358.259

 30, 20.865,
358.259

 40, 20.865,
358.259

 50, 20.865,
358.259

 60, 20.865,
358.259

 70, 20.865,
358.259

 80, 20.865,

358.259

90, 20.865,
358.259

10, 20.865,
358.259

10, 20.865,
358.259

9, 23.121, 0.397

11, 18.302,
356.468

8, 25.548, 2.151

13, 15.515,
354.964

7, 27.271, 2.828

14, 12.600,
353.682

16, 9.632, 352.569

18, 6.670, 351.587

19, 3.753, 350.698

■ 21, 0.904, 349.770

■ 23, 1.861, 169.343

■ 25, 4.536, 168.636

Harmonies

Complementary

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



10, 20.865, 358.259



19, 18.688, 162.540

Rectangle

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



10, 20.865, 358.259



10, 20.865, 48.259



10, 20.865, 178.259



10, 20.865, 228.259

Sweetspot

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



10, 20.864, 358.260



23, 7.759, 351.572



9, 28.751, 315.096



10, 5.101, 351.585



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, 20.864, 358.260



12, 29.048, 2.748



10, 19.679, 30.852



8, 1.534, 350.265



17, 39.262, 8.024



46, 75.182, 12.769

Inverse Universe

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



10, 20.864, 358.260



12, 29.048, 2.748



18, 12.359, 209.545



8, 1.534, 350.265



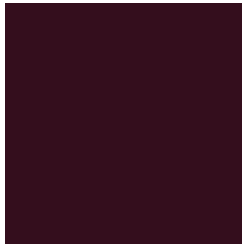
17, 39.262, 8.024



46, 75.182, 12.769

Previews

White Background



This preview shows how the CIE LCh color 10, 20.865, 358.259 looks on a white background.

Color Contrast Check

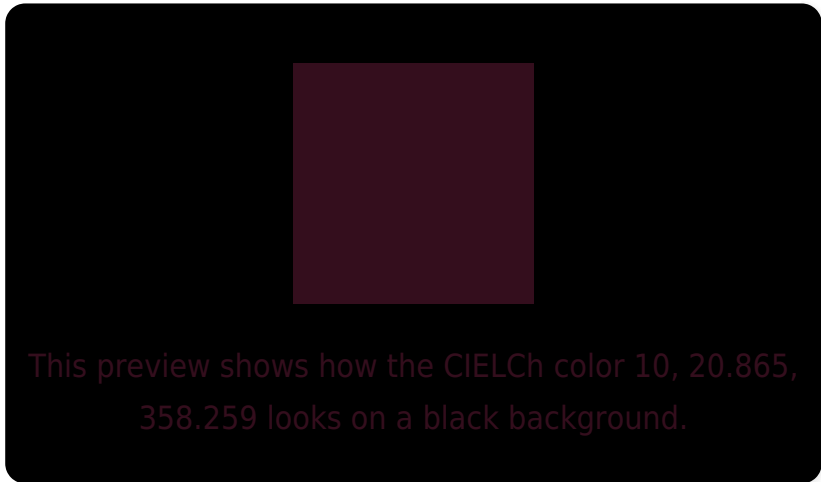
Large Text (above 18pt) WCAG AA ✓ Pass

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

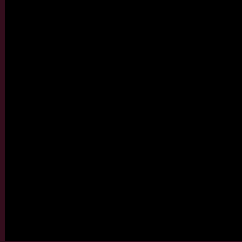
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 10, 20.865, 358.259

Background



This preview shows how black text looks on a background with the CIELCh color 10, 20.865, 358.259.



This preview shows how white text looks on a background with the CIELCh color 10, 20.865, 358.259.

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, 20.865, 358.259

Protanopia

11, 6.629, 284.433

Deuteranopia

11, 2.711, 35.612



Tritanopia
10, 18.839, 23.271

Trichromacy



Original Color
10, 20.865, 358.259

Protanomaly
10, 9.956, 328.236

Deuteranomaly
10, 9.519, 0.208

Tritanomaly
10, 18.935, 14.121

Monochromacy



Original Color
10, 20.865, 358.259

Achromatopsia
10, 0.003, 296.813

Achromatomaly
9, 8.426, 350.686

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 10, 20.865, 358.259 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(52, 14, 29)` looks like.

```
.text, #text, p{  
    color:rgb(52, 14, 29)  
}
```

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(52, 14, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 14, 29) }
```

Border

The CSS property to change the border of an element to CIELCh 10, 20.865, 358.259 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(52, 14, 29) }
```

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

```
.border{ border-color:rgb(52, 14, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 14, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 14, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 14, 29);  
box-shadow:4px 4px 4px 4px rgb(52, 14, 29)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 10, 20.865, 358.259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 14, 29) }
```

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

```
.background{ background-color: rgb(52, 14,  
29) }
```

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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