

Converting Colors

CIELCh(10, 20.256, 350.192)

Have a look what the booklet for
CIELCh(10, 20.256, 350.192)
contains.

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Color

CIELCh(10, 20.457, 349.457)

Conversions

Conversions Part 1

Format	Color
Hex	320F21
RGB	50, 15, 33
RGB Percent	20%, 6%, 13%
CMY	0.8042, 0.9414, 0.8708
CMYK	0.00, 0.70, 0.34, 0.80
HSL	329°, 54%, 13%
HSV	329°, 70%, 20%
XYZ	1.7560, 1.1260, 1.5595
YIQ	27.5170, 15.0820, 13.0180

Conversions

Conversions Part 2

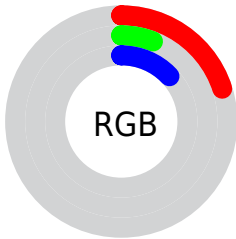
Format	Color
R_{YB}	50, 15, 33
Decimal	3280673
CIE _{Lab}	10.00, 20.11, -3.74
CIE _{LCh}	10, 20.457, 349.457
Yxy	1.1260, 0.3954, 0.2535
Android (android.graphics.Color)	4281470753 (0xFF320F21)
YUV	27.5170, 2.7031, 19.7176
Hunter-Lab	10.6114, 10.9691, -1.2857

Details

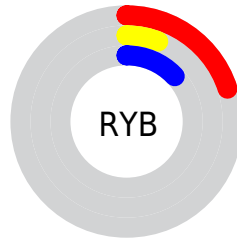
The CIELCh color **10, 20.457, 349.457** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **18, 19.474, 156.414**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **30, 20.379, 349.573**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **9, 22.717, 351.008**, and if you desaturate by 10%, it is **11, 17.855, 348.142**.

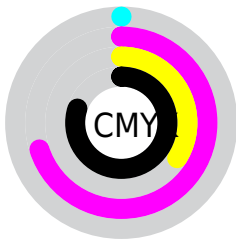
Distribution



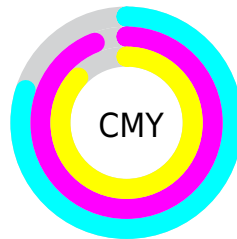
- Red (20%)
- Green (6%)
- Blue (13%)



- Red (20%)
- Yellow (6%)
- Blue (13%)



- Cyan (0%)
- Magenta (70%)
- Yellow (34%)
- Black (80%)





- Cyan (80%)
- Magenta (94%)
- Yellow (87%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 10, 20.457, 349.457 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, 20.457, 349.457 by changing the saturation by 10% instead.


 10, 20.457,
349.457


 10, 20.457,
349.457


 100, 20.457,
349.457


 0, 20.457, 349.457

 30, 20.457,
349.457

 40, 20.457,
349.457


 50, 20.457,
349.457


 60, 20.457,
349.457


 70, 20.457,
349.457


 80, 20.457,


349.457

 90, 20.457,
349.457


 10, 20.457,
349.457

 10, 20.457,
349.457


 9, 22.717, 351.008

 11, 17.855,
348.142

 8, 24.959, 352.492

 13, 15.024,
347.004

 7, 27.291, 353.759

 14, 12.055,
346.001

 16, 9.023, 345.103

 17, 5.984, 344.286

 19, 2.976, 343.521

■ 21, 0.024, 336.609

■ 22, 2.857, 162.313

■ 24, 5.660, 161.699

Harmonies

Complementary

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



10, 20.457, 349.457



18, 19.474, 156.414

Rectangle

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



10, 20.457, 349.457



10, 20.457, 39.457



10, 20.457, 169.457



10, 20.457, 219.457

Sweetspot

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



10, 20.456, 349.458



23, 7.697, 344.442



8, 26.608, 311.522



10, 5.268, 344.478



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, 20.456, 349.458



12, 28.334, 352.485



9, 19.445, 23.567



8, 1.658, 343.382



17, 39.849, 357.475



47, 75.084, 1.120

Inverse Universe

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



10, 20.456, 349.458



12, 28.334, 352.485



18, 13.006, 195.110



8, 1.658, 343.382



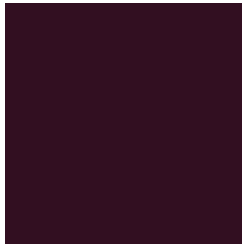
17, 39.849, 357.475



47, 75.084, 1.120

Previews

White Background



This preview shows how the CIELCh color 10, 20.457, 349.457 looks on a white background.

Color Contrast Check

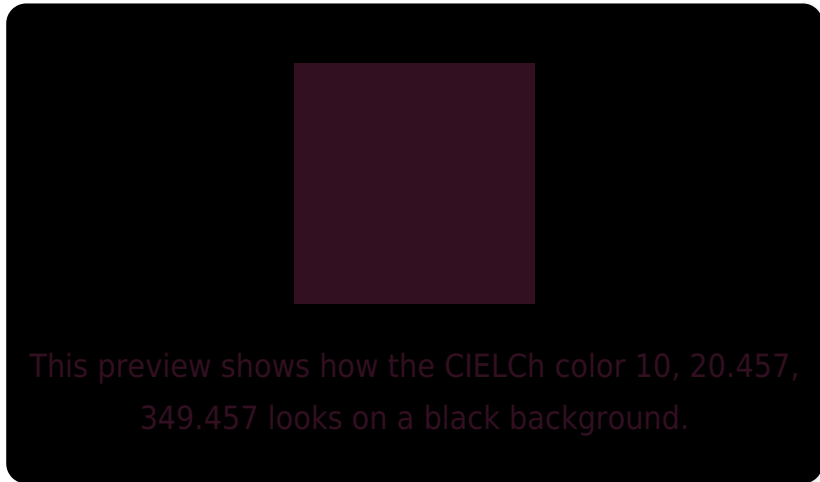
Large Text (above 18pt) WCAG AA ✓ Pass

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

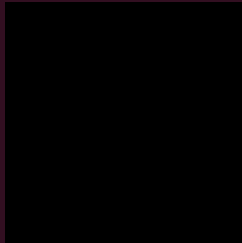
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 10, 20.457, 349.457

Background



This preview shows how black text looks on a background with the CIELCh color 10, 20.457, 349.457.



This preview shows how white text looks on a background with the CIELCh color 10, 20.457, 349.457.

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, 20.457, 349.457

Protanopia

10, 10.367, 284.138

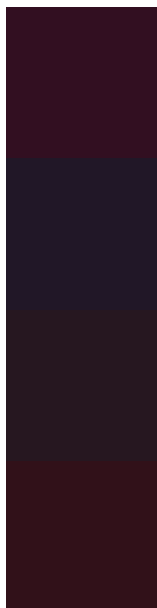
Deuteranopia

11, 2.676, 324.803



Tritanopia
10, 17.070, 20.524

Trichromacy



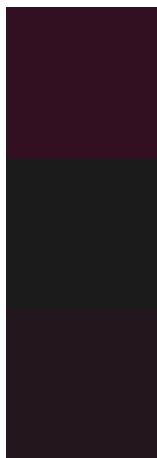
Original Color
10, 20.457, 349.457

Protanomaly
10, 12.733, 314.716

Deuteranomaly
10, 9.937, 341.168

Tritanomaly
10, 17.409, 7.359

Monochromacy



Original Color
10, 20.457, 349.457

Achromatopsia
10, 0.003, 296.813

Achromatomaly
9, 7.541, 346.018

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 10, 20.457, 349.457 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, 15, 33)` looks like.

```
.text, #text, p{  
  color:rgb(50, 15, 33)  
}
```

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, 15, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 15, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 10, 20.457, 349.457 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, 15, 33) }
```

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

```
.border{ border-color:rgb(50, 15, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 15, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 15, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 15, 33);  
box-shadow:4px 4px 4px 4px rgb(50, 15, 33)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 10, 20.457, 349.457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 15, 33) }
```

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

```
.background{ background-color: rgb(50, 15,  
33) }
```

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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