

Converting Colors

CIELCh(10, 20.879, 346.665)

Have a look what the booklet for
CIELCh(10, 20.879, 346.665)
contains.

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Color

CIELCh(10, 20.758, 347.672)

Conversions

Conversions Part 1

Format	Color
Hex	320F22
RGB	50, 15, 34
RGB Percent	20%, 6%, 13%
CMY	0.8046, 0.9418, 0.8672
CMYK	0.00, 0.70, 0.32, 0.80
HSL	327°, 54%, 13%
HSV	327°, 70%, 20%
XYZ	1.7627, 1.1260, 1.6268
YIQ	27.6310, 14.7610, 13.3290

Conversions

Conversions Part 2

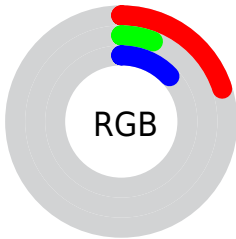
Format	Color
R_{YB}	50, 15, 34
Decimal	3280674
CIE Lab	10.00, 20.28, -4.43
CIE LCh	10, 20.758, 347.672
Yxy	1.1260, 0.3904, 0.2494
Android (android.graphics.Color)	4281470754 (0xFF320F22)
YUV	27.6310, 3.1399, 19.6176
Hunter-Lab	10.6114, 11.0817, -1.6617

Details

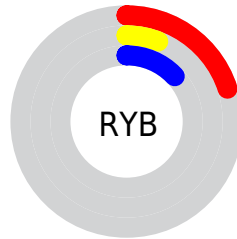
The CIELCh color **10, 20.758, 347.672** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **18, 19.973, 154.994**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **30, 20.668, 348.028**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **9, 23.019, 349.115**, and if you desaturate by 10%, it is **11, 18.143, 346.440**.

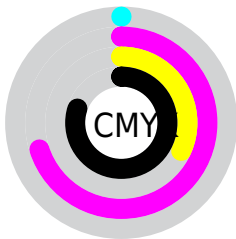
Distribution



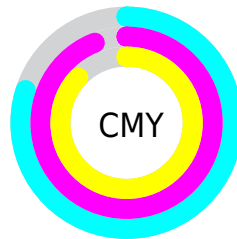
- Red (20%)
- Green (6%)
- Blue (13%)



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



- Cyan (0%)
- Magenta (70%)
- Yellow (32%)
- Black (80%)



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 10, 20.758, 347.672 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, 20.758, 347.672 by changing the saturation by 10% instead.

■ 10, 20.758,
347.672

■ 10, 20.758,
347.672

■ 100, 20.758,
347.672

■ 0, 20.758, 347.672

■ 30, 20.758,
347.672

■ 40, 20.758,
347.672


■ 50, 20.758,
347.672


■ 60, 20.758,
347.672


■ 70, 20.758,
347.672

■ 80, 20.758,


347.672

 90, 20.758,
347.672


 10, 20.758,
347.672

 10, 20.758,
347.672


 9, 23.019, 349.115


 11, 18.143,
346.440

 8, 25.268, 350.488

 13, 15.288,
345.365

 7, 27.577, 351.639

 14, 12.286,
344.411

 16, 9.214, 343.552

 17, 6.129, 342.765

 19, 3.070, 342.025

■ 21, 0.063, 339.053

■ 22, 2.875, 160.846

■ 24, 5.736, 160.244

Harmonies

Complementary

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



10, 20.758, 347.672



18, 19.973, 154.994

Rectangle

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



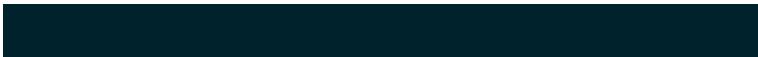
10, 20.758, 347.672



10, 20.758, 37.672



10, 20.758, 167.672



10, 20.758, 217.672

Sweetspot

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



10, 20.757, 347.673



23, 7.844, 342.906



8, 26.574, 310.541



10, 5.368, 342.941



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, 20.757, 347.673



12, 28.695, 350.466



9, 19.313, 21.734



8, 1.691, 341.881



17, 40.217, 355.062



47, 75.594, 358.403

Inverse Universe

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



10, 20.757, 347.673



12, 28.695, 350.466



18, 13.220, 191.551



8, 1.691, 341.881



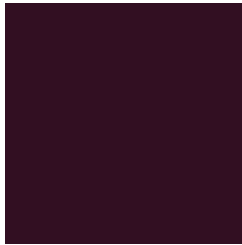
17, 40.217, 355.062



47, 75.594, 358.403

Previews

White Background



This preview shows how the CIELCh color 10, 20.758, 347.672 looks on a white background.

Color Contrast Check

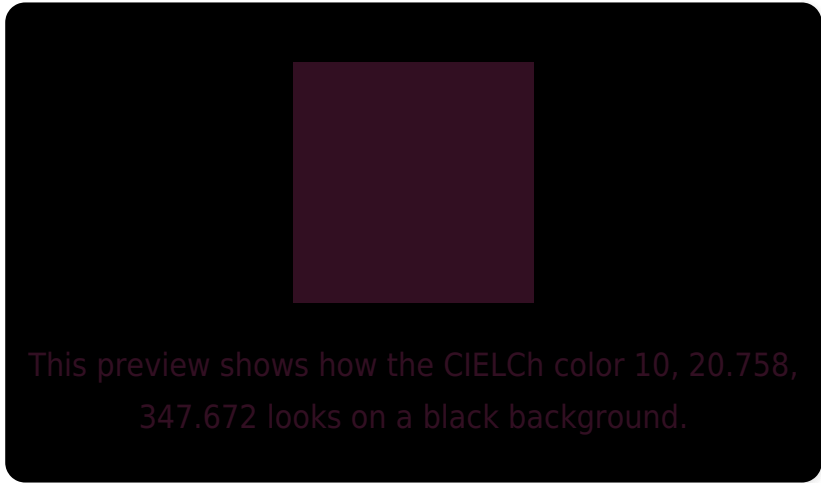
Large Text (above 18pt) WCAG AA ✓ Pass

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

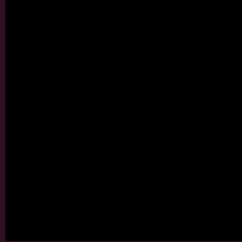
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 10, 20.758, 347.672

Background



This preview shows how black text looks on a background with the CIELCh color 10, 20.758, 347.672.



This preview shows how white text looks on a background with the CIELCh color 10, 20.758, 347.672.

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

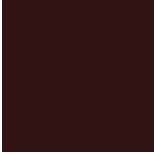
10, 20.758, 347.672

Protanopia

11, 11.084, 285.066

Deuteranopia

11, 3.113, 309.471



Tritanopia
10, 16.601, 22.447

Trichromacy



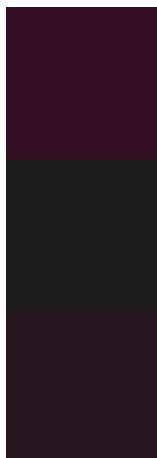
Original Color
10, 20.758, 347.672

Protanomaly
10, 13.405, 313.593

Deuteranomaly
10, 10.056, 335.788

Tritanomaly
10, 17.409, 7.359

Monochromacy



Original Color
10, 20.758, 347.672

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, 20.758, 347.672 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, 34)` looks like.

```
.text, #text, p{  
    color:rgb(50, 15, 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(50, 15, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 15, 34) }
```

Border

The CSS property to change the border of an element to CIELCh 10, 20.758, 347.672 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, 34) }
```

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

```
.border{ border-color:rgb(50, 15, 34) }
```

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, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 15, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 15, 34);  
box-shadow:4px 4px 4px 4px rgb(50, 15, 34)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 10, 20.758, 347.672 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, 34) }
```

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

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