

Converting Colors

CIELCh(8, 39.553, 12.727)

Have a look what the booklet for
CIELCh(8, 39.553, 12.727) contains.

CIELCh(10, 33.188, 21.788)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(10, 33.188, 21.788)

Conversions

Conversions Part 1

Format	Color
Hex	410008
RGB	65, 0, 8
RGB Percent	25%, 0%, 3%
CMY	0.7451, 1.0000, 0.9667
CMYK	0.00, 1.00, 0.87, 0.75
HSL	352°, 100%, 13%
HSV	352°, 100%, 25%
XYZ	2.2182, 1.1260, 0.3442
YIQ	20.3470, 36.1720, 16.2680

Conversions

Conversions Part 2

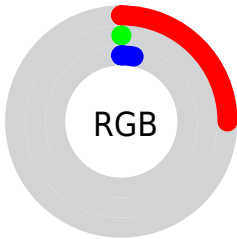
Format	Color
R_{YB}	65, 0, 8
Decimal	4259848
CIE Lab	10.00, 30.82, 12.32
CIE LCh	10, 33.188, 21.788
Yxy	1.1260, 0.6014, 0.3053
Android (android.graphics.Color)	4282449928 (0xFF410008)
YUV	20.3470, -6.0871, 39.1607
Hunter-Lab	10.6114, 18.7434, 5.5050

Details

The CIELCh color **10, 33.188, 21.788** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **24, 21.029, 180.316**, and the grayscale version is **7, 0.002, 296.812**.

A 20% lighter version of the original color is **30, 33.142, 22.288**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **10, 32.917, 22.309**, and if you desaturate by 10%, it is **11, 30.097, 22.600**.

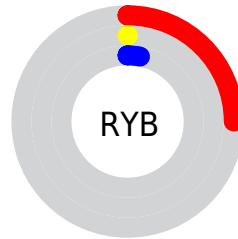
Distribution



Red (25%)

Green (0%)

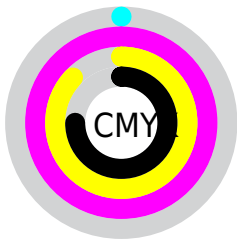
Blue (3%)



Red (25%)

Yellow (0%)

Blue (3%)

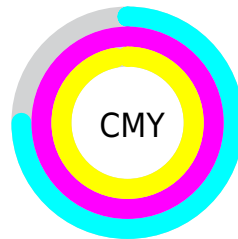


Cyan (0%)

Magenta (100%)

Yellow (87%)

Black (75%)



Cyan (75%)

Magenta (100%)

Yellow (97%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 10, 33.188, 21.788 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, 33.188, 21.788 by changing the saturation by 10% instead.

 10, 33.188, 21.788

 10, 33.188, 21.788

 100, 33.188,
21.788

 0, 33.188, 21.788

 30, 33.188, 21.788

 40, 33.188, 21.788

 50, 33.188, 21.788

 60, 33.188, 21.788

 70, 33.188, 21.788

 80, 33.188, 21.788

 90, 33.188, 21.788

■ 10, 33.188, 21.788

■ 10, 33.188, 21.788

■ 10, 32.917, 22.309

■ 11, 30.097, 22.600

■ 12, 27.242, 21.073

■ 14, 23.888, 18.456

■ 15, 20.325, 16.105

■ 17, 16.702, 14.201

■ 19, 13.108, 12.650

■ 21, 9.609, 11.372

■ 23, 6.245, 10.301

■ 25, 3.040, 9.368

Harmonies

Complementary

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



10, 33.188, 21.788



24, 21.029, 180.316

Rectangle

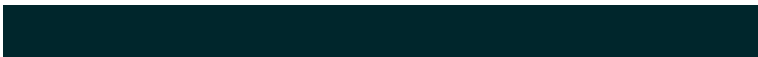
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



10, 33.188, 21.788



10, 33.188, 71.788



10, 33.188, 201.788



10, 33.188, 251.788

Sweetspot

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



10, 32.917, 22.309



28, 11.948, 11.520



11, 43.742, 323.680



12, 8.259, 11.739



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



10, 32.917, 22.309



15, 40.780, 27.656



14, 28.359, 49.416



12, 1.712, 9.236



18, 45.844, 29.812



47, 88.955, 34.787

Inverse Universe

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



10, 32.917, 22.309



15, 40.780, 27.656



15, 19.143, 260.543



12, 1.712, 9.236



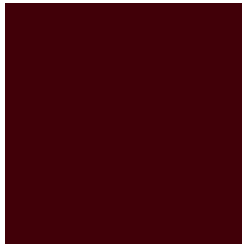
18, 45.844, 29.812



47, 88.955, 34.787

Previews

White Background



This preview shows how the CIELCh color 10, 33.188, 21.788 looks on a white background.

Color Contrast Check

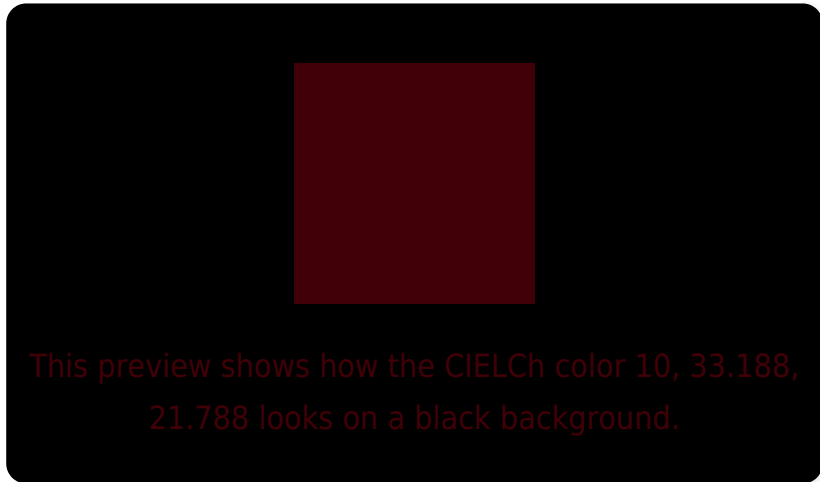
Large Text (above 18pt) WCAG AA ✓ Pass

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

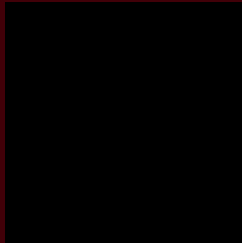
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 10, 33.188, 21.788

Background



This preview shows how black text looks on a background with the CIELCh color 10, 33.188, 21.788.

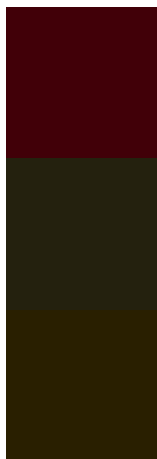


This preview shows how white text looks on a background with the CIELCh color 10, 33.188, 21.788.

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, 32.969, 22.626

Protanopia

13, 12.793, 99.226

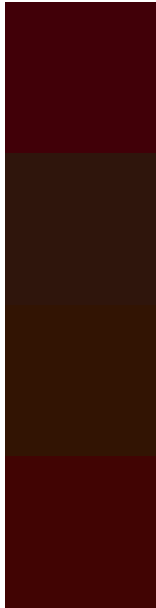
Deuteranopia

12, 18.266, 87.708



Tritanopia
11, 32.216, 32.081

Trichromacy



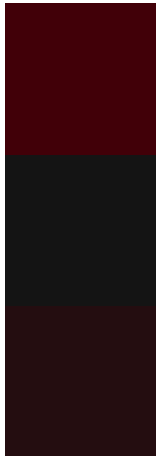
Original Color
10, 32.969, 22.626

Protanomaly
10, 16.231, 41.336

Deuteranomaly
10, 20.073, 47.081

Tritanomaly
11, 32.303, 28.707

Monochromacy



Original Color
10, 32.969, 22.626

Achromatopsia
6, 0.002, 296.812

Achromatomaly
6, 12.332, 12.595

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 10, 33.188, 21.788 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(65, 0, 8)` looks like.

```
.text, #text, p{  
    color:rgb(65, 0, 8)  
}
```

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(65, 0, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 0, 8) }
```

Border

The CSS property to change the border of an element to CIELCh 10, 33.188, 21.788 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(65, 0, 8) }
```

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

```
.border{ border-color:rgb(65, 0, 8) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 0, 8)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 0, 8); -webkit-box-shadow:4px  
4px 4px 4px rgb(65, 0, 8); box-shadow:4px  
4px 4px 4px rgb(65, 0, 8) }
```

Background

The CSS property to change the background color of an element to CIELCh 10, 33.188, 21.788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 0, 8) }
```

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

```
.background{ background-color: rgb(65, 0,  
8) }
```

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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