

Converting Colors

CIELCh(21, 39.442, 34.036)

Have a look what the booklet for
CIELCh(21, 39.442, 34.036) contains.

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Color

CIELCh(21, 39.182, 33.888)

Conversions

Conversions Part 1

Format	Color
Hex	611814
RGB	97, 24, 20
RGB Percent	38%, 9%, 8%
CMY	0.6196, 0.9059, 0.9216
CMYK	0.00, 0.75, 0.79, 0.62
HSL	3°, 66%, 23%
HSV	3°, 79%, 38%
XYZ	5.3826, 3.2451, 1.0045
YIQ	45.3710, 44.7920, 14.2320

Conversions

Conversions Part 2

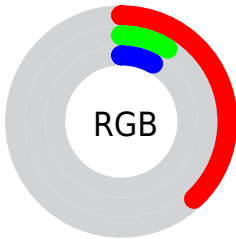
Format	Color
RYB	97, 24, 20
Decimal	6363156
CIELab	21.00, 32.53, 21.85
CIElCh	21, 39.182, 33.888
Yxy	3.2451, 0.5588, 0.3369
Android (android.graphics.Color)	4284553236 (0xFF611814)
YUV	45.3710, -12.5079, 45.2786
Hunter-Lab	18.0142, 21.8104, 9.3038

Details

The CIELCh color **21, 39.182, 33.888** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **36, 21.522, 203.481**, and the grayscale version is **19, 0.003, 296.813**.

A 20% lighter version of the original color is **41, 39.113, 33.689**, and **5, 23.874, 19.357** is the 20% darker color. If you saturate the color by 10%, you get **20, 43.824, 35.597**, and if you desaturate by 10%, it is **23, 33.672, 31.451**.

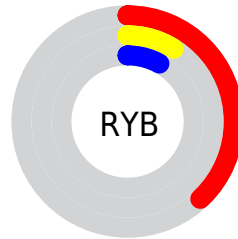
Distribution



 Red (38%)

 Green (9%)

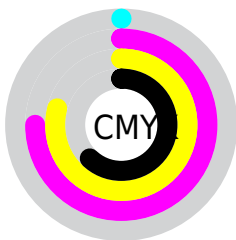
 Blue (8%)




 Red (38%)

 Yellow (9%)

 Blue (8%)

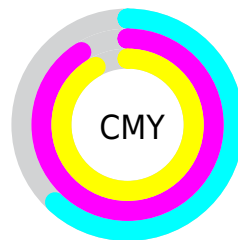


 Cyan (0%)

 Magenta (75%)

 Yellow (79%)

 Black (62%)



 Cyan (62%)

 Magenta (91%)

 Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 21, 39.182, 33.888 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 21, 39.182, 33.888 by changing the saturation by 10% instead.

■ 21, 39.182, 33.888

■ 21, 39.182, 33.888

■ 100, 39.182,
33.888

■ 11, 39.182, 33.888

■ 41, 39.182, 33.888

■ 1, 39.182, 33.888

■ 51, 39.182, 33.888

■ 0, 39.182, 33.888

■ 61, 39.182, 33.888

■ 71, 39.182, 33.888

■ 81, 39.182, 33.888

■ 91, 39.182, 33.888

■ 21, 39.182, 33.888

■ 21, 39.182, 33.888

■ 20, 43.824, 35.597

■ 23, 33.672, 31.451

■ 19, 47.332, 36.738

■ 25, 28.123, 29.425

■ 19, 47.547, 36.808

■ 27, 22.698, 27.817

■ 30, 17.500, 26.568

■ 33, 12.592, 25.609

■ 35, 8.001, 24.871

■ 38, 3.729, 24.278

■ 41, 0.237, 205.343

■ 44, 3.918, 203.732

Harmonies

Complementary

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



21, 39.182, 33.888



36, 21.522, 203.481

Rectangle

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



21, 39.182, 33.888



21, 39.182, 83.888



21, 39.182, 213.888



21, 39.182, 263.888

Sweetspot

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



21, 39.180, 33.891



44, 12.449, 25.240



23, 49.380, 329.580



21, 8.701, 25.432



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



21, 39.180, 33.891



26, 57.216, 38.237



30, 32.826, 70.448



18, 2.223, 24.249



22, 54.087, 38.359



50, 99.143, 40.400

Inverse Universe

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



36, 21.522, 203.481



45, 27.351, 204.429



23, 29.007, 278.184



20, 2.109, 203.767



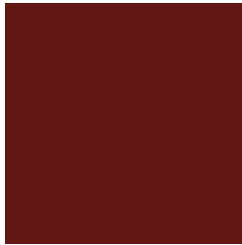
41, 25.604, 204.636



83, 44.594, 205.196

Previews

White Background



This preview shows how the CIE LCh color 21, 39.182, 33.888 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 21, 39.182, 33.888

Background



This preview shows how black text looks on a background with the CIELCh color 21, 39.182, 33.888.

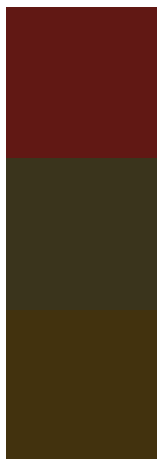


This preview shows how white text looks on a background with the CIELCh color 21, 39.182, 33.888.

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

21, 39.182, 33.888

Protanopia

22, 16.173, 95.133

Deuteranopia

22, 24.891, 83.742



Tritanopia
21, 38.268, 29.956

Trichromacy



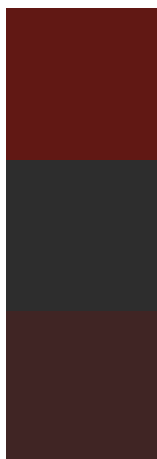
Original Color
21, 39.182, 33.888

Protanomaly
20, 20.660, 54.647

Deuteranomaly
21, 27.167, 58.018

Tritanomaly
21, 38.549, 30.830

Monochromacy



Original Color
21, 39.182, 33.888

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 14.042, 25.553

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 39.182, 33.888 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(97, 24, 20)` looks like.

```
.text, #text, p{  
    color:rgb(97, 24, 20)  
}
```

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(97, 24, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 24, 20) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 39.182, 33.888 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(97, 24, 20) }
```

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

```
.border{ border-color:rgb(97, 24, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 24, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 24, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 24, 20);  
box-shadow:4px 4px 4px 4px rgb(97, 24, 20)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 21, 39.182, 33.888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 24, 20) }
```

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

```
.background{ background-color: rgb(97, 24,  
20) }
```

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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