

Converting Colors

CIELCh(30, 21.780, 38.676)

Have a look what the booklet for
CIELCh(30, 21.780, 38.676) contains.

CIELCh(30, 21.751, 39.372)	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(30, 21.751, 39.372)

Conversions

Conversions Part 1	
Format	Color
Hex	653C32
RGB	101, 60, 50
RGB Percent	40%, 24%, 20%
CMY	0.6037, 0.7645, 0.8038
CMYK	0.00, 0.41, 0.50, 0.60
HSL	12°, 34%, 30%
HSV	12°, 50%, 40%
XYZ	7.5664, 6.2359, 3.8269
YIQ	71.1190, 27.6460, 5.5820

Conversions

Conversions Part 2

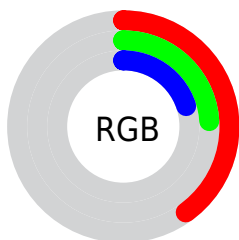
Format	Color
RYB	101, 62, 50
Decimal	6634546
CIELab	30.00, 16.81, 13.80
CIELCh	30, 21.751, 39.372
Yxy	6.2359, 0.4292, 0.3537
Android (android.graphics.Color)	4284824626 (0xFF653C32)
YUV	71.1190, -10.4117, 26.2056
Hunter-Lab	24.9718, 10.3847, 8.3942

Details

The CIELCh color **30, 21.751, 39.372** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **36, 15.260, 221.992**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **50, 21.829, 40.013**, and **10, 21.663, 39.805** is the 20% darker color. If you saturate the color by 10%, you get **28, 27.022, 39.946**, and if you desaturate by 10%, it is **32, 16.787, 39.008**.

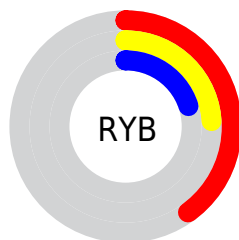
Distribution



Red (40%)

Green (24%)

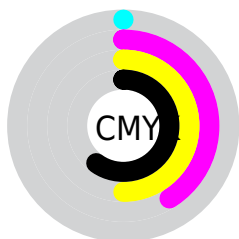
Blue (20%)



Red (40%)

Yellow (24%)

Blue (20%)

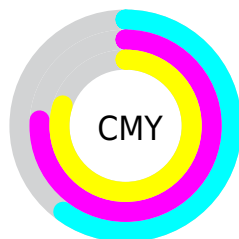


Cyan (0%)

Magenta (41%)

Yellow (50%)

Black (60%)



Cyan (60%)

Magenta (76%)

Yellow (80%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 30, 21.751, 39.372 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 30, 21.751, 39.372 by changing the saturation by 10% instead.

 30, 21.751, 39.372

 30, 21.751, 39.372

 100, 21.751,
39.372

 20, 21.751, 39.372

 50, 21.751, 39.372

 10, 21.751, 39.372

 60, 21.751, 39.372

 0, 21.751, 39.372

 70, 21.751, 39.372

 80, 21.751, 39.372

 90, 21.751, 39.372

 30, 21.751, 39.372

 30, 21.751, 39.372

 28, 27.022, 39.946

 32, 16.787, 39.008

 26, 32.540, 40.727

 35, 12.155, 38.813

 24, 38.162, 41.670

 37, 7.854, 38.755

 22, 43.220, 42.064

 40, 3.866, 38.781


 21, 47.122, 42.035

 43, 0.169, 37.063

 45, 3.265, 219.350

 48, 6.461, 219.572

 51, 9.447, 219.863

 54, 12.247,
220.186

Harmonies

Complementary

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



30, 21.751, 39.372



36, 15.260, 221.992

Rectangle

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



30, 21.751, 39.372



30, 21.751, 89.372



30, 21.751, 219.372



30, 21.751, 269.372

Sweetspot

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



30, 21.750, 39.376



50, 7.053, 38.762



29, 32.793, 333.015



25, 4.800, 38.758



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



30, 21.750, 39.376



37, 34.351, 40.111



37, 22.780, 86.247



20, 2.075, 38.785



24, 52.857, 42.819



53, 96.138, 42.986

Inverse Universe

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



36, 15.260, 221.992



46, 21.634, 223.654



28, 22.894, 280.809



20, 1.970, 219.352



36, 24.250, 232.954



73, 42.252, 235.453

Previews

White Background



This preview shows how the CIELCh color 30, 21.751, 39.372 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



This preview shows how the CIELCh color 30, 21.751, 39.372 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

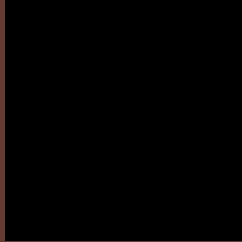
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 21.751, 39.372

Background



This preview shows how black text looks on a background with the CIELCh color 30, 21.751, 39.372.

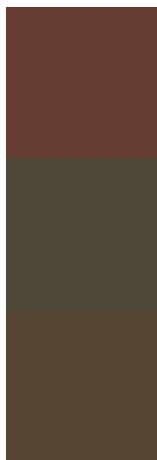


This preview shows how white text looks on a background with the CIELCh color 30, 21.751, 39.372.

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

30, 21.751, 39.372

Protanopia

30, 10.440, 95.035

Deuteranopia

30, 14.884, 73.389

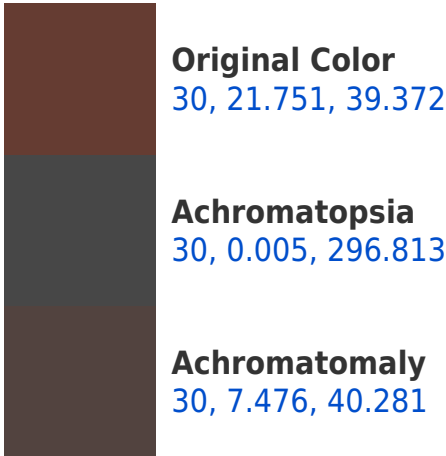


Tritanopia
30, 20.808, 14.851

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIElCh 30, 21.751, 39.372 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(101, 60, 50)` looks like.

```
.text, #text, p{  
    color:rgb(101, 60, 50)  
}
```

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(101, 60, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 60, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 21.751, 39.372 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(101, 60, 50) }
```

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

```
.border{ border-color:rgb(101, 60, 50) }
```

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

Here you see how a box with a 4 pixel rgb(101, 60, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 60, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 60, 50);  
box-shadow:4px 4px 4px 4px rgb(101, 60,  
50) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 21.751, 39.372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 60, 50) }
```

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

```
.background{ background-color: rgb(101, 60,  
50) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor