

Converting Colors

CIELCh(30, 30.010, 21.960)

Have a look what the booklet for
CIELCh(30, 30.010, 21.960) contains.

CIELCh(30, 30.213, 21.090)	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, 30.213, 21.090)

Conversions

Conversions Part 1

Format	Color
Hex	723337
RGB	114, 51, 55
RGB Percent	45%, 20%, 22%
CMY	0.5526, 0.7996, 0.7840
CMYK	0.00, 0.55, 0.52, 0.55
HSL	356°, 38%, 32%
HSV	356°, 55%, 45%
XYZ	8.8315, 6.2359, 4.3629
YIQ	70.2930, 36.2640, 14.6000

Conversions

Conversions Part 2

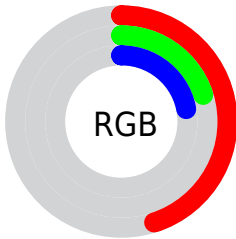
Format	Color
R_{YB}	114, 51, 55
Decimal	7484215
CIE Lab	30.00, 28.19, 10.87
CIE LCh	30, 30.213, 21.090
Yxy	6.2359, 0.4545, 0.3209
Android (android.graphics.Color)	4285674295 (0xFF723337)
YUV	70.2930, -7.5394, 38.3310
Hunter-Lab	24.9718, 19.4272, 7.1215

Details

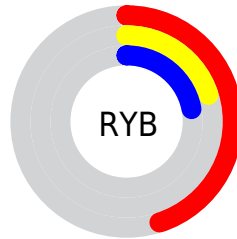
The CIELCh color **30, 30.213, 21.090** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **44, 21.566, 190.570**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **50, 30.096, 21.198**, and **10, 30.181, 20.606** is the 20% darker color. If you saturate the color by 10%, you get **27, 36.224, 23.595**, and if you desaturate by 10%, it is **33, 24.202, 19.112**.

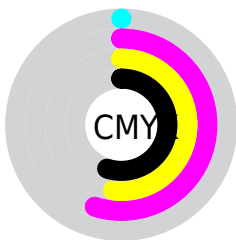
Distribution



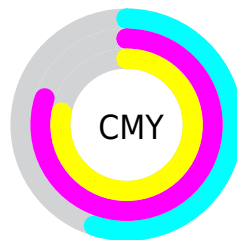
- Red (45%)
- Green (20%)
- Blue (22%)



- Red (45%)
- Yellow (20%)
- Blue (22%)



- Cyan (0%)
- Magenta (55%)
- Yellow (52%)
- Black (55%)



- Cyan (55%)
- Magenta (80%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 30, 30.213, 21.090 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, 30.213, 21.090 by changing the saturation by 10% instead.

■ 30, 30.213, 21.090

■ 30, 30.213, 21.090

■ 100, 30.213,
21.090

■ 20, 30.213, 21.090

■ 50, 30.213, 21.090

■ 10, 30.213, 21.090

■ 60, 30.213, 21.090

■ 0, 30.213, 21.090

■ 70, 30.213, 21.090

■ 80, 30.213, 21.090

■ 90, 30.213, 21.090

■ 30, 30.213, 21.090

■ 30, 30.213, 21.090

■ 27, 36.224, 23.595

■ 33, 24.202, 19.112

■ 25, 42.059, 26.704

■ 36, 18.345, 17.547

■ 24, 47.520, 30.401

■ 39, 12.739, 16.298

■ 23, 52.213, 33.933

■ 43, 7.441, 15.282

■ 22, 54.052, 34.757

■ 46, 2.469, 14.373

■ 50, 2.181, 194.015

■ 53, 6.526, 193.344

■ 57, 10.591,
192.848

■ 61, 14.405,
192.431

Harmonies

Complementary

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



30, 30.213, 21.090



44, 21.566, 190.570

Rectangle

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



30, 30.213, 21.090



30, 30.213, 71.090



30, 30.213, 201.090



30, 30.213, 251.090

Sweetspot

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



30, 30.211, 21.093



54, 10.355, 15.491



32, 43.822, 325.115



27, 6.914, 15.632



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



30, 30.211, 21.093



36, 45.454, 24.305



37, 24.958, 62.183



22, 2.655, 14.722



24, 56.314, 35.252



52, 99.692, 38.152

Inverse Universe

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



30, 30.211, 21.093



36, 45.454, 24.305



35, 19.975, 257.607



22, 2.655, 14.722



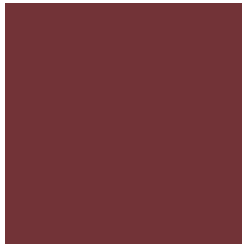
24, 56.314, 35.252



52, 99.692, 38.152

Previews

White Background



This preview shows how the CIELCh color 30, 30.213, 21.090 looks on a white background.

Color Contrast Check

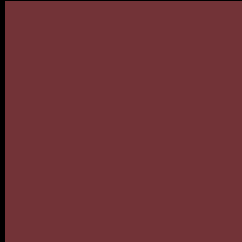
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIE LCh color 30, 30.213, 21.090 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

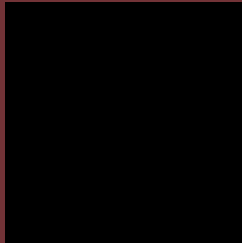
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 30.213, 21.090

Background



This preview shows how black text looks on a background with the CIELCh color 30, 30.213, 21.090.



This preview shows how white text looks on a background with the CIELCh color 30, 30.213, 21.090.

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, 30.213, 21.090

Protanopia

30, 4.051, 89.742

Deuteranopia

30, 13.296, 69.425



Tritanopia
30, 30.213, 21.090

Trichromacy



Original Color
30, 30.213, 21.090

Protanomaly
30, 12.060, 30.402

Deuteranomaly
30, 17.947, 40.359

Tritanomaly
30, 30.213, 21.090

Monochromacy



Original Color
30, 30.213, 21.090

Achromatopsia
30, 0.005, 296.813

Achromatomaly
29, 10.721, 14.526

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 30.213, 21.090 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(114, 51, 55)` looks like.

```
.text, #text, p{  
    color:rgb(114, 51, 55)  
}
```

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(114, 51, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 51, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 30.213, 21.090 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(114, 51, 55) }
```

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

```
.border{ border-color:rgb(114, 51, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 51, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(114, 51, 55); -webkit-box-shadow:4px 4px 4px 4px rgb(114, 51, 55); box-shadow:4px 4px 4px 4px rgb(114, 51, 55) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 30.213, 21.090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 51, 55) }
```

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

```
.background{ background-color: rgb(114, 51,  
55) }
```

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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