

Converting Colors

CIELCh(30, 43.132, 21.442)

Have a look what the booklet for
CIELCh(30, 43.132, 21.442) contains.

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Color

CIELCh(30, 43.075, 21.610)

Conversions

Conversions Part 1

Format	Color
Hex	812530
RGB	129, 37, 48
RGB Percent	51%, 15%, 19%
CMY	0.4932, 0.8540, 0.8111
CMYK	0.00, 0.71, 0.63, 0.49
HSL	353°, 55%, 33%
HSV	353°, 71%, 51%
XYZ	10.2927, 6.2359, 3.4761
YIQ	65.7620, 51.3010, 22.9250

Conversions

Conversions Part 2

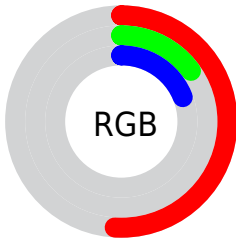
Format	Color
R_{YB}	129, 37, 48
Decimal	8463664
CIE _{Lab}	30.00, 40.05, 15.86
CIE _{LCh}	30, 43.075, 21.610
Yxy	6.2359, 0.5145, 0.3117
Android (android.graphics.Color)	4286653744 (0xFF812530)
YUV	65.7620, -8.7567, 55.4597
Hunter-Lab	24.9718, 29.8719, 9.2271

Details

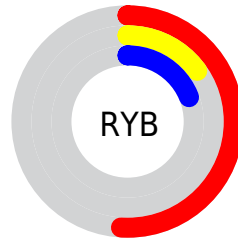
The CIELCh color **30, 43.075, 21.610** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **49, 29.186, 183.573**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 42.992, 21.204**, and **12, 38.065, 30.569** is the 20% darker color. If you saturate the color by 10%, you get **28, 48.809, 25.321**, and if you desaturate by 10%, it is **32, 36.907, 18.598**.

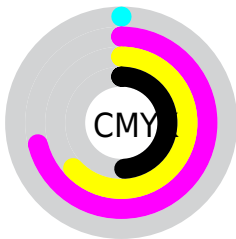
Distribution



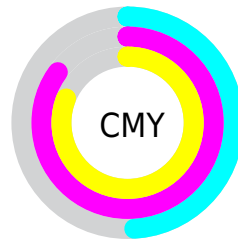
- Red (51%)
- Green (15%)
- Blue (19%)



- Red (51%)
- Yellow (15%)
- Blue (19%)



- Cyan (0%)
- Magenta (71%)
- Yellow (63%)
- Black (49%)



- Cyan (49%)
- Magenta (85%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 30, 43.075, 21.610 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, 43.075, 21.610 by changing the saturation by 10% instead.

■ 30, 43.075, 21.610

■ 30, 43.075, 21.610

■ 100, 43.075,
21.610

■ 20, 43.075, 21.610

■ 50, 43.075, 21.610

■ 10, 43.075, 21.610

■ 60, 43.075, 21.610

■ 0, 43.075, 21.610

■ 70, 43.075, 21.610

■ 80, 43.075, 21.610

■ 90, 43.075, 21.610

■ 30, 43.075, 21.610

■ 30, 43.075, 21.610

■ 28, 48.809, 25.321

■ 32, 36.907, 18.598

27, 53.960, 29.652

35, 30.511, 16.199

26, 58.201, 33.246

39, 24.088, 14.294

42, 17.803, 12.769

46, 11.765, 11.527

50, 6.033, 10.484

54, 0.628, 9.089

58, 4.451, 189.072

62, 9.222, 188.410

Harmonies

Complementary

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



30, 43.075, 21.610



49, 29.186, 183.573

Rectangle

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



30, 43.075, 21.610



30, 43.075, 71.610



30, 43.075, 201.610



30, 43.075, 251.610

Sweetspot

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



30, 43.073, 21.612



59, 14.476, 11.560



31, 59.153, 323.453



29, 9.816, 11.822



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



30, 43.073, 21.612



36, 62.904, 27.763



37, 37.598, 54.467



25, 2.983, 10.278



26, 57.587, 33.160



0, 0.000, 0.000

Inverse Universe

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



30, 43.073, 21.612



36, 62.904, 27.763



38, 25.394, 253.614



25, 2.983, 10.278



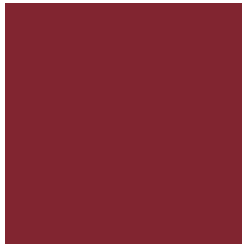
26, 57.587, 33.160



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 30, 43.075, 21.610 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, 43.075, 21.610 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

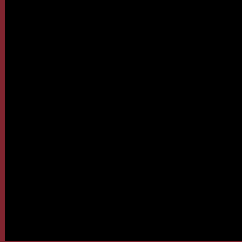
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 43.075, 21.610

Background



This preview shows how black text looks on a background with the CIELCh color 30, 43.075, 21.610.



This preview shows how white text looks on a background with the CIELCh color 30, 43.075, 21.610.

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, 43.075, 21.610

Protanopia

31, 5.876, 95.511

Deuteranopia

31, 18.973, 78.378



Tritanopia
30, 44.121, 28.815

Trichromacy



Original Color
30, 43.075, 21.610

Protanomaly
29, 17.354, 24.648

Deuteranomaly
29, 24.554, 40.885

Tritanomaly
30, 43.721, 26.050

Monochromacy



Original Color
30, 43.075, 21.610

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 15.738, 13.221

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 43.075, 21.610 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(129, 37, 48)` looks like.

```
.text, #text, p{  
    color:rgb(129, 37, 48)  
}
```

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(129, 37, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 37, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 43.075, 21.610 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(129, 37, 48) }
```

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

```
.border{ border-color:rgb(129, 37, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 37, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 37, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 37, 48);  
box-shadow:4px 4px 4px 4px rgb(129, 37,  
48) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 43.075, 21.610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 37, 48) }
```

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

```
.background{ background-color: rgb(129, 37,  
48) }
```

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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