

Converting Colors

CIELCh(30, 49.656, 21.556)

Have a look what the booklet for
CIELCh(30, 49.656, 21.556) contains.

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Color

CIELCh(30, 49.915, 21.488)

Conversions

Conversions Part 1

Format	Color
Hex	891A2D
RGB	137, 26, 45
RGB Percent	54%, 10%, 18%
CMY	0.4630, 0.8983, 0.8237
CMYK	0.00, 0.81, 0.67, 0.46
HSL	350°, 68%, 32%
HSV	350°, 81%, 54%
XYZ	11.1441, 6.2359, 3.0933
YIQ	61.3550, 60.0570, 29.4410

Conversions

Conversions Part 2

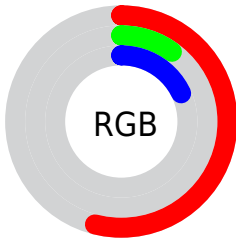
Format	Color
RYB	137, 26, 45
Decimal	8985133
CIELab	30.00, 46.45, 18.28
CIElCh	30, 49.915, 21.488
Yxy	6.2359, 0.5443, 0.3046
Android (android.graphics.Color)	4287175213 (0xFF891A2D)
YUV	61.3550, -8.0630, 66.3407
Hunter-Lab	24.9718, 35.9580, 10.1360

Details

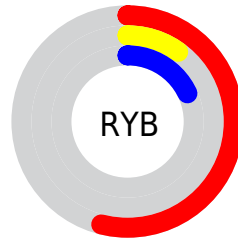
The CIELCh color **30, 49.915, 21.488** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **51, 34.360, 177.123**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 49.885, 21.958**, and **14, 40.789, 32.108** is the 20% darker color. If you saturate the color by 10%, you get **29, 54.780, 26.009**, and if you desaturate by 10%, it is **32, 44.365, 17.713**.

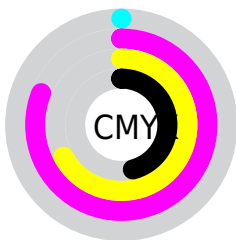
Distribution



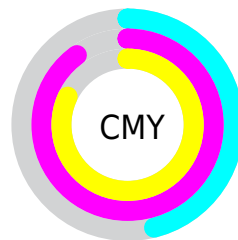
- Red (54%)
- Green (10%)
- Blue (18%)



- Red (54%)
- Yellow (10%)
- Blue (18%)



- Cyan (0%)
- Magenta (81%)
- Yellow (67%)
- Black (46%)



- Cyan (46%)
- Magenta (90%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 30, 49.915, 21.488 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, 49.915, 21.488 by changing the saturation by 10% instead.

■ 30, 49.915, 21.488

■ 30, 49.915, 21.488

■ 100, 49.915,
21.488

■ 20, 49.915, 21.488

■ 50, 49.915, 21.488

■ 10, 49.915, 21.488

■ 60, 49.915, 21.488

■ 0, 49.915, 21.488

■ 70, 49.915, 21.488

■ 80, 49.915, 21.488

■ 90, 49.915, 21.488

■ 30, 49.915, 21.488

■ 30, 49.915, 21.488

■ 29, 54.780, 26.009

■ 32, 44.365, 17.713

28, 58.867, 30.098

35, 38.255, 14.672

38, 31.793, 12.255

41, 25.209, 10.326

45, 18.692, 8.767

49, 12.374, 7.483

53, 6.331, 6.390

57, 0.597, 4.893

61, 4.823, 184.855

Harmonies

Complementary

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



30, 49.915, 21.488



51, 34.360, 177.123

Rectangle

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



30, 49.915, 21.488



30, 49.915, 71.488



30, 49.915, 201.488



30, 49.915, 251.488

Sweetspot

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



30, 49.913, 21.490



61, 17.656, 7.901



30, 67.431, 321.885



30, 12.173, 8.299



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



30, 49.913, 21.490



37, 70.764, 29.988



35, 46.804, 49.913



27, 3.226, 6.193



27, 57.422, 29.919



0, 1.462, 5.455

Inverse Universe

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



30, 49.913, 21.490



37, 70.764, 29.988



40, 27.569, 249.509



27, 3.226, 6.193



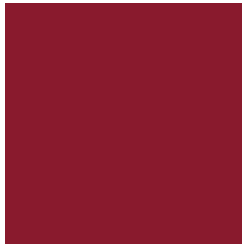
27, 57.422, 29.919



0, 1.462, 5.455

Previews

White Background



This preview shows how the CIELCh color 30, 49.915, 21.488 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, 49.915, 21.488 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, 49.915, 21.488

Background



This preview shows how black text looks on a background with the CIELCh color 30, 49.915, 21.488.



This preview shows how white text looks on a background with the CIELCh color 30, 49.915, 21.488.

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, 49.915, 21.488

Protanopia

31, 6.001, 91.200

Deuteranopia

31, 21.717, 78.446



Tritanopia
30, 52.352, 31.968

Trichromacy



Original Color
30, 49.915, 21.488

Protanomaly
28, 20.763, 21.746

Deuteranomaly
29, 28.815, 39.121

Tritanomaly
30, 51.224, 28.617

Monochromacy



Original Color
30, 49.915, 21.488

Achromatopsia
26, 0.004, 296.813

Achromatomaly
25, 19.931, 10.873

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 49.915, 21.488 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(137, 26, 45)` looks like.

```
.text, #text, p{  
    color:rgb(137, 26, 45)  
}
```

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(137, 26, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 26, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 49.915, 21.488 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(137, 26, 45) }
```

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

```
.border{ border-color:rgb(137, 26, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 26, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 26, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 26, 45);  
box-shadow:4px 4px 4px 4px rgb(137, 26,  
45) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 49.915, 21.488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 26, 45) }
```

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

```
.background{ background-color: rgb(137, 26,  
45) }
```

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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