

Converting Colors

CIELCh(30, 49.692, 19.072)

Have a look what the booklet for
CIELCh(30, 49.692, 19.072) contains.

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Color

CIELCh(30, 49.663, 19.091)

Conversions

Conversions Part 1

Format	Color
Hex	891930
RGB	137, 25, 48
RGB Percent	54%, 10%, 19%
CMY	0.4625, 0.9016, 0.8116
CMYK	0.00, 0.82, 0.65, 0.46
HSL	348°, 69%, 32%
HSV	348°, 82%, 54%
XYZ	11.2106, 6.2359, 3.4141
YIQ	61.1100, 59.3690, 30.8970

Conversions

Conversions Part 2

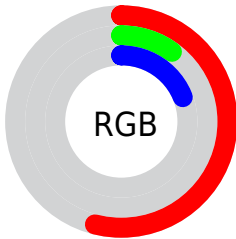
Format	Color
RYB	137, 25, 48
Decimal	8984880
CIELab	30.00, 46.93, 16.24
CIElCh	30, 49.663, 19.091
Yxy	6.2359, 0.5374, 0.2989
Android (android.graphics.Color)	4287174960 (0xFF891930)
YUV	61.1100, -6.4632, 66.5555
Hunter-Lab	24.9718, 36.4335, 9.3742

Details

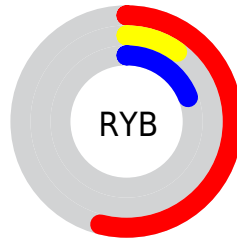
The CIELCh color **30, 49.663, 19.091** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **51, 35.734, 173.843**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 49.764, 18.916**, and **14, 41.240, 32.339** is the 20% darker color. If you saturate the color by 10%, you get **29, 54.144, 23.681**, and if you desaturate by 10%, it is **32, 44.432, 15.294**.

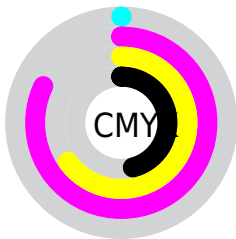
Distribution



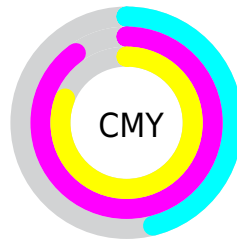
- Red (54%)
- Green (10%)
- Blue (19%)



- Red (54%)
- Yellow (10%)
- Blue (19%)



- Cyan (0%)
- Magenta (82%)
- Yellow (65%)
- Black (46%)



- Cyan (46%)
- Magenta (90%)
- Yellow (81%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 30, 49.663, 19.091 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, 49.663, 19.091 by changing the saturation by 10% instead.

 30, 49.663, 19.091

 30, 49.663, 19.091

 100, 49.663,
19.091

 20, 49.663, 19.091

 50, 49.663, 19.091

 10, 49.663, 19.091

 60, 49.663, 19.091

 0, 49.663, 19.091

 70, 49.663, 19.091

 80, 49.663, 19.091

 90, 49.663, 19.091

 30, 49.663, 19.091

 30, 49.663, 19.091

 29, 54.144, 23.681

 32, 44.432, 15.294

28, 57.675, 27.586

35, 38.554, 12.247

38, 32.241, 9.824

41, 25.731, 7.884

45, 19.232, 6.308

48, 12.886, 5.002

52, 6.782, 3.886

56, 0.963, 2.613

61, 4.559, 182.290

Harmonies

Complementary

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



30, 49.663, 19.091



51, 35.734, 173.843

Rectangle

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



30, 49.663, 19.091



30, 49.663, 69.091



30, 49.663, 199.091



30, 49.663, 249.091

Sweetspot

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



30, 49.661, 19.093



60, 18.579, 5.478



29, 67.876, 320.809



30, 12.708, 5.875



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, 49.661, 19.093



37, 69.777, 27.953



35, 48.001, 47.524



27, 3.262, 3.620



27, 56.223, 27.393



0, 1.481, 2.861

Inverse Universe

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



30, 49.661, 19.093



37, 69.777, 27.953



42, 26.869, 243.980



27, 3.262, 3.620



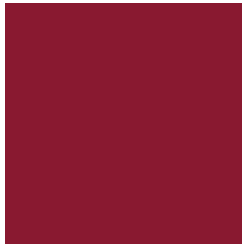
27, 56.223, 27.393



0, 1.481, 2.861

Previews

White Background



This preview shows how the CIELCh color 30, 49.663, 19.091 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, 49.663, 19.091 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

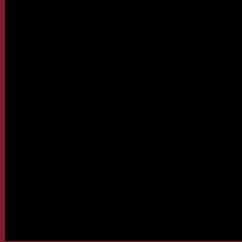
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 49.663, 19.091

Background



This preview shows how black text looks on a background with the CIELCh color 30, 49.663, 19.091.



This preview shows how white text looks on a background with the CIELCh color 30, 49.663, 19.091.

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, 49.663, 19.091

Protanopia

31, 3.446, 86.404

Deuteranopia

31, 19.795, 77.781



Tritanopia
30, 52.352, 31.968

Trichromacy



Original Color
30, 49.663, 19.091

Protanomaly
29, 20.498, 14.739

Deuteranomaly
29, 27.906, 35.830

Tritanomaly
30, 50.728, 27.334

Monochromacy



Original Color
30, 49.663, 19.091

Achromatopsia
26, 0.004, 296.813

Achromatomaly
25, 19.965, 9.023

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 49.663, 19.091 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, 25, 48)` looks like.

```
.text, #text, p{  
    color:rgb(137, 25, 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(137, 25, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 25, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 49.663, 19.091 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, 25, 48) }
```

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

```
.border{ border-color:rgb(137, 25, 48) }
```

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

Here you see how a box with a 4 pixel rgb(137, 25, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 25, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 25, 48);  
box-shadow:4px 4px 4px 4px rgb(137, 25,  
48) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 49.663, 19.091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 25, 48) }
```

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

```
.background{ background-color: rgb(137, 25,  
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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