

Converting Colors

CIELCh(18, 75.842, 17.941)

Have a look what the booklet for
CIELCh(18, 75.842, 17.941) contains.

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Color

CIELCh(26, 57.830, 33.293)

Conversions

Conversions Part 1

Format	Color
Hex	810210
RGB	129, 2, 16
RGB Percent	51%, 1%, 6%
CMY	0.4938, 0.9934, 0.9381
CMYK	0.00, 0.99, 0.88, 0.49
HSL	353°, 97%, 26%
HSV	353°, 99%, 51%
XYZ	9.1761, 4.7465, 0.9147
YIQ	41.5690, 71.1980, 31.2780

Conversions

Conversions Part 2

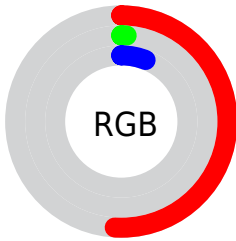
Format	Color
R_{YB}	129, 2, 16
Decimal	8454672
CIE _{Lab}	26.00, 48.34, 31.74
CIE _{LCh}	26, 57.830, 33.293
Yxy	4.7465, 0.6184, 0.3199
Android (android.graphics.Color)	4286644752 (0xFF810210)
YUV	41.5690, -12.6055, 76.6770
Hunter-Lab	21.7865, 37.0545, 12.7612

Details

The CIELCh color **26, 57.830, 33.293** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **48, 33.358, 181.456**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **46, 57.506, 33.242**, and **11, 36.236, 29.375** is the 20% darker color. If you saturate the color by 10%, you get **26, 58.434, 33.704**, and if you desaturate by 10%, it is **27, 52.941, 29.101**.

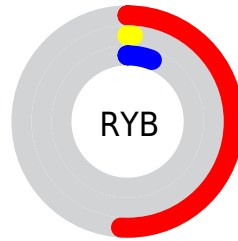
Distribution



Red (51%)

Green (1%)

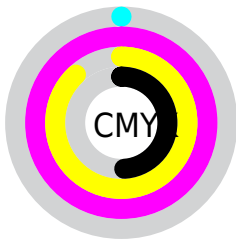
Blue (6%)



Red (51%)

Yellow (1%)

Blue (6%)

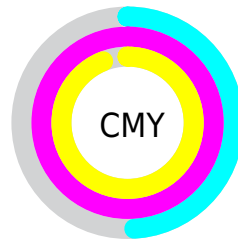


Cyan (0%)

Magenta (99%)

Yellow (88%)

Black (49%)



Cyan (49%)

Magenta (99%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 26, 57.830, 33.293 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 26, 57.830, 33.293 by changing the saturation by 10% instead.

 26, 57.830, 33.293

 26, 57.830, 33.293

 100, 57.830,
33.293

 16, 57.830, 33.293

 46, 57.830, 33.293

 6, 57.830, 33.293

 56, 57.830, 33.293

 0, 57.830, 33.293

 66, 57.830, 33.293

 76, 57.830, 33.293

 86, 57.830, 33.293

 96, 57.830, 33.293

 26, 57.830, 33.293

 26, 57.830, 33.293

26, 58.434, 33.704

27, 52.941, 29.101

28, 47.563, 24.933

31, 41.643, 21.409

33, 35.354, 18.564

36, 28.903, 16.304

39, 22.485, 14.510

43, 16.247, 13.071

47, 10.283, 11.896

51, 4.641, 10.895

Harmonies

Complementary

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



26, 57.830, 33.293



48, 33.358, 181.456

Rectangle

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



26, 57.830, 33.293



26, 57.830, 83.293



26, 57.830, 213.293



26, 57.830, 263.293

Sweetspot

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



26, 57.828, 33.295



55, 21.208, 13.335



27, 69.961, 323.876



26, 14.537, 13.825



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



26, 57.828, 33.295



35, 71.895, 34.938



32, 53.123, 53.219



25, 2.978, 10.932



26, 57.864, 33.620



0, 0.000, 0.000

Inverse Universe

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



26, 57.828, 33.295



35, 71.895, 34.938



33, 33.276, 267.745



25, 2.978, 10.932



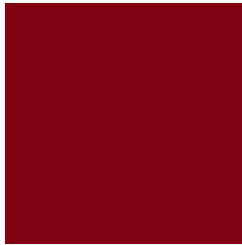
26, 57.864, 33.620



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 26, 57.830, 33.293 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 26, 57.830, 33.293 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

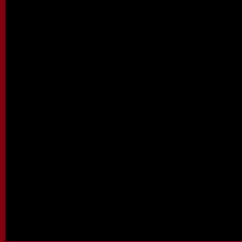
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 26, 57.830, 33.293

Background



This preview shows how black text looks on a background with the CIELCh color 26, 57.830, 33.293.



This preview shows how white text looks on a background with the CIELCh color 26, 57.830, 33.293.

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

26, 57.698, 33.240

Protanopia

28, 24.166, 95.365

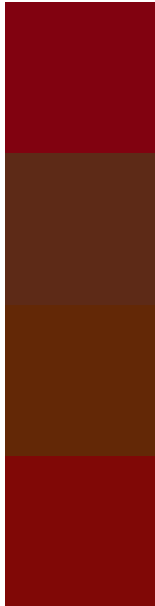
Deuteranopia

27, 36.811, 85.718



Tritanopia
26, 60.019, 40.244

Trichromacy



Original Color
26, 57.698, 33.240

Protanomaly
24, 31.580, 46.542

Deuteranomaly
24, 40.737, 52.467

Tritanomaly
26, 59.021, 37.743

Monochromacy



Original Color
26, 57.698, 33.240

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 23.715, 18.698

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 26, 57.830, 33.293 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, 2, 16)` looks like.

```
.text, #text, p{  
    color:rgb(129, 2, 16)  
}
```

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, 2, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 2, 16) }
```

Border

The CSS property to change the border of an element to CIELCh 26, 57.830, 33.293 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, 2, 16) }
```

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

```
.border{ border-color:rgb(129, 2, 16) }
```

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

Here you see how a box with a 4 pixel rgb(129, 2, 16) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 2, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 2, 16);  
box-shadow:4px 4px 4px 4px rgb(129, 2, 16)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 26, 57.830, 33.293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 2, 16) }
```

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

```
.background{ background-color: rgb(129, 2,  
16) }
```

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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