

Converting Colors

CIELCh(20, 67.635, 11.722)

Have a look what the booklet for
CIELCh(20, 67.635, 11.722) contains.

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Color

CIELCh(26, 52.968, 23.313)

Conversions

Conversions Part 1

Format	Color
Hex	800221
RGB	128, 2, 33
RGB Percent	50%, 1%, 13%
CMY	0.4975, 0.9930, 0.8714
CMYK	0.00, 0.99, 0.74, 0.50
HSL	345°, 97%, 25%
HSV	345°, 99%, 50%
XYZ	9.2127, 4.7465, 1.8538
YIQ	43.2080, 65.1450, 36.3530

Conversions

Conversions Part 2

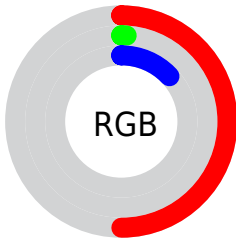
Format	Color
RYB	128, 2, 33
Decimal	8389153
CIELab	26.00, 48.64, 20.96
CIELCh	26, 52.968, 23.313
Yxy	4.7465, 0.5826, 0.3002
Android (android.graphics.Color)	4286579233 (0xFF800221)
YUV	43.2080, -5.0325, 74.3626
Hunter-Lab	21.7865, 37.3547, 10.2056

Details

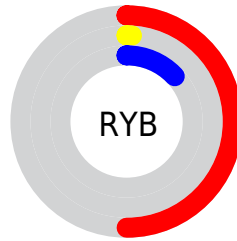
The CIELCh color **26, 52.968, 23.313** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **47, 38.909, 167.414**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **46, 52.763, 23.061**, and **12, 36.694, 29.688** is the 20% darker color. If you saturate the color by 10%, you get **26, 53.513, 23.926**, and if you desaturate by 10%, it is **27, 49.300, 18.606**.

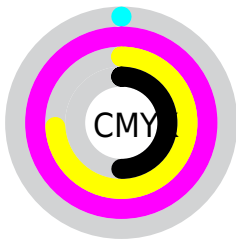
Distribution



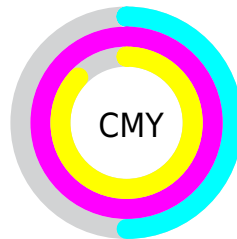
- Red (50%)
- Green (1%)
- Blue (13%)



- Red (50%)
- Yellow (1%)
- Blue (13%)



- Cyan (0%)
- Magenta (99%)
- Yellow (74%)
- Black (50%)



- Cyan (50%)
- Magenta (99%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 26, 52.968, 23.313 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, 52.968, 23.313 by changing the saturation by 10% instead.

■ 26, 52.968, 23.313

■ 26, 52.968, 23.313

■ 100, 52.968,
23.313

■ 16, 52.968, 23.313

■ 46, 52.968, 23.313

■ 6, 52.968, 23.313

■ 56, 52.968, 23.313

■ 0, 52.968, 23.313

■ 66, 52.968, 23.313

■ 76, 52.968, 23.313

■ 86, 52.968, 23.313

■ 96, 52.968, 23.313

■ 26, 52.968, 23.313

■ 26, 52.968, 23.313

26, 53.513, 23.926

27, 49.300, 18.606

29, 45.156, 14.386

31, 40.238, 10.971

33, 34.686, 8.250

36, 28.732, 6.076

39, 22.606, 4.315

43, 16.493, 2.864

47, 10.519, 1.639

50, 4.759, 0.564

Harmonies

Complementary

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



26, 52.968, 23.313



47, 38.909, 167.414

Rectangle

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



26, 52.968, 23.313



26, 52.968, 73.313



26, 52.968, 203.313



26, 52.968, 253.313

Sweetspot

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



26, 52.966, 23.315



54, 21.426, 3.145



24, 70.706, 319.286



26, 14.817, 3.648



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, 52.966, 23.315



34, 65.189, 25.354



29, 56.184, 45.517



25, 3.108, 0.615



26, 53.312, 23.895



0, 0.000, 0.000

Inverse Universe

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



26, 52.966, 23.315



34, 65.189, 25.354



38, 27.073, 244.144



25, 3.108, 0.615



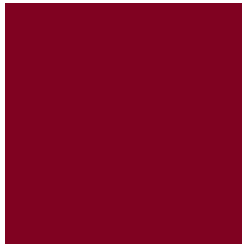
26, 53.312, 23.895



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 26, 52.968, 23.313 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, 52.968, 23.313 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

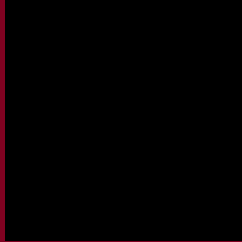
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 26, 52.968, 23.313

Background



This preview shows how black text looks on a background with the CIELCh color 26, 52.968, 23.313.



This preview shows how white text looks on a background with the CIELCh color 26, 52.968, 23.313.

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, 52.841, 23.178

Protanopia

28, 10.593, 94.815

Deuteranopia

27, 25.107, 81.753



Tritanopia
27, 57.628, 37.764

Trichromacy



Original Color
26, 52.841, 23.178

Protanomaly
24, 24.600, 23.623

Deuteranomaly
24, 32.681, 39.076

Tritanomaly
26, 55.756, 33.371

Monochromacy



Original Color
26, 52.841, 23.178

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 23.383, 8.576

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 26, 52.968, 23.313 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(128, 2, 33)` looks like.

```
.text, #text, p{  
    color:rgb(128, 2, 33)  
}
```

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(128, 2, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 2, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 26, 52.968, 23.313 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(128, 2, 33) }
```

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

```
.border{ border-color:rgb(128, 2, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 2, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 2, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 2, 33);  
box-shadow:4px 4px 4px 4px rgb(128, 2, 33)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 26, 52.968, 23.313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 2, 33) }
```

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

```
.background{ background-color: rgb(128, 2,  
33) }
```

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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