

Converting Colors

CIELCh(26, 45.985, 10.536)

Have a look what the booklet for
CIELCh(26, 45.985, 10.536) contains.

CIELCh(26, 45.988, 10.424)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(26, 45.988, 10.424)

Conversions

Conversions Part 1

Format	Color
Hex	7A1033
RGB	122, 16, 51
RGB Percent	48%, 6%, 20%
CMY	0.5216, 0.9372, 0.8000
CMYK	0.00, 0.87, 0.58, 0.52
HSL	340°, 77%, 27%
HSV	340°, 87%, 48%
XYZ	8.8079, 4.7465, 3.5835
YIQ	51.6840, 51.9410, 33.3570

Conversions

Conversions Part 2

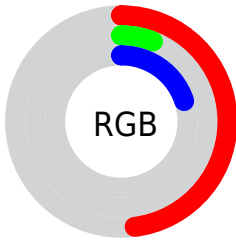
Format	Color
R_{YB}	122, 16, 51
Decimal	7999539
CIE _{Lab}	26.00, 45.23, 8.32
CIE _{LCh}	26, 45.988, 10.424
Yxy	4.7465, 0.5139, 0.2770
Android (android.graphics.Color)	4286189619 (0xFF7A1033)
YUV	51.6840, -0.3372, 61.6671
Hunter-Lab	21.7865, 34.0381, 5.4984

Details

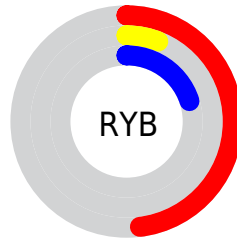
The CIELCh color **26, 45.988, 10.424** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **45, 38.693, 162.929**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **46, 45.997, 10.288**, and **11, 34.315, 25.974** is the 20% darker color. If you saturate the color by 10%, you get **25, 48.790, 14.813**, and if you desaturate by 10%, it is **28, 42.436, 6.719**.

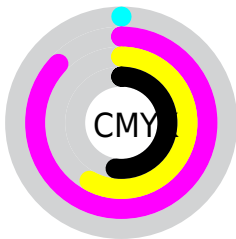
Distribution



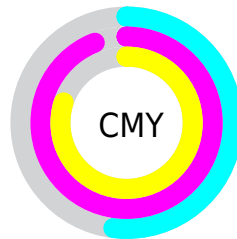
- Red (48%)
- Green (6%)
- Blue (20%)



- Red (48%)
- Yellow (6%)
- Blue (20%)



- Cyan (0%)
- Magenta (87%)
- Yellow (58%)
- Black (52%)



- Cyan (52%)
- Magenta (94%)
- Yellow (80%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 26, 45.988, 10.424 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, 45.988, 10.424 by changing the saturation by 10% instead.

 26, 45.988, 10.424

 26, 45.988, 10.424

 100, 45.988,
10.424

 16, 45.988, 10.424

 46, 45.988, 10.424

 6, 45.988, 10.424

 56, 45.988, 10.424

 0, 45.988, 10.424

 66, 45.988, 10.424

 76, 45.988, 10.424

 86, 45.988, 10.424

 96, 45.988, 10.424

 26, 45.988, 10.424

 26, 45.988, 10.424

■ 25, 48.790, 14.813

■ 28, 42.436, 6.719

■ 25, 49.723, 16.130

■ 30, 37.977, 3.763

■ 32, 32.795, 1.404

■ 35, 27.143,
359.497

■ 38, 21.259,
357.925

■ 42, 15.329,
356.602

■ 45, 9.482, 355.462

■ 49, 3.798, 354.429

■ 52, 1.681, 173.840

Harmonies

Complementary

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



26, 45.988, 10.424



45, 38.693, 162.929

Rectangle

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



26, 45.988, 10.424



26, 45.988, 60.424



26, 45.988, 190.424



26, 45.988, 240.424

Sweetspot

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



26, 45.986, 10.426



54, 18.324, 356.571



23, 64.807, 317.123



26, 12.396, 356.910



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



26, 45.986, 10.426



33, 60.356, 17.603



28, 49.506, 40.998



24, 3.129, 354.654



25, 50.612, 16.281



53, 86.340, 19.538

Inverse Universe

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



26, 45.986, 10.426



33, 60.356, 17.603



40, 24.331, 223.661



24, 3.129, 354.654



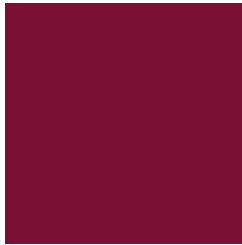
25, 50.612, 16.281



53, 86.340, 19.538

Previews

White Background



This preview shows how the CIELCh color 26, 45.988, 10.424 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, 45.988, 10.424 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

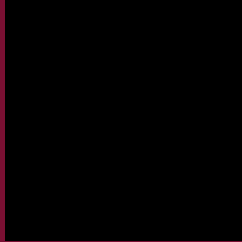
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 26, 45.988, 10.424

Background



This preview shows how black text looks on a background with the CIELCh color 26, 45.988, 10.424.



This preview shows how white text looks on a background with the CIELCh color 26, 45.988, 10.424.

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, 45.988, 10.424

Protanopia

27, 5.877, 287.217

Deuteranopia

27, 12.395, 70.995



Tritanopia
26, 48.740, 32.739

Trichromacy



Original Color
26, 45.988, 10.424

Protanomaly
24, 20.504, 349.393

Deuteranomaly
25, 23.627, 20.135

Tritanomaly
26, 46.772, 24.881

Monochromacy



Original Color
26, 45.988, 10.424

Achromatopsia
22, 0.004, 296.813

Achromatomaly
21, 19.619, 358.592

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 26, 45.988, 10.424 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(122, 16, 51)` looks like.

```
.text, #text, p{  
    color:rgb(122, 16, 51)  
}
```

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(122, 16, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 16, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 26, 45.988, 10.424 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(122, 16, 51) }
```

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

```
.border{ border-color:rgb(122, 16, 51) }
```

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

Here you see how a box with a 4 pixel rgb(122, 16, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 16, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 16, 51);  
box-shadow:4px 4px 4px 4px rgb(122, 16,  
51) }
```

Background

The CSS property to change the background color of an element to CIELCh 26, 45.988, 10.424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 16, 51) }
```

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

```
.background{ background-color: rgb(122, 16,  
51) }
```

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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