

Converting Colors

CIELCh(26, 46.715, 6.175)

Have a look what the booklet for
CIELCh(26, 46.715, 6.175) contains.

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Color

CIELCh(26, 46.573, 5.855)

Conversions

Conversions Part 1

Format	Color
Hex	7A0D38
RGB	122, 13, 56
RGB Percent	48%, 5%, 22%
CMY	0.5204, 0.9472, 0.7795
CMYK	0.00, 0.89, 0.54, 0.52
HSL	336°, 80%, 27%
HSV	336°, 89%, 48%
XYZ	8.9371, 4.7465, 4.2162
YIQ	50.4930, 51.1610, 36.4810

Conversions

Conversions Part 2

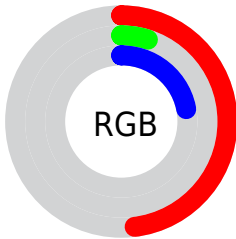
Format	Color
R_{YB}	122, 13, 56
Decimal	7998776
CIE _{Lab}	26.00, 46.33, 4.75
CIE _{LCh}	26, 46.573, 5.855
Yxy	4.7465, 0.4993, 0.2652
Android (android.graphics.Color)	4286188856 (0xFF7A0D38)
YUV	50.4930, 2.7150, 62.7116
Hunter-Lab	21.7865, 35.0967, 3.7765

Details

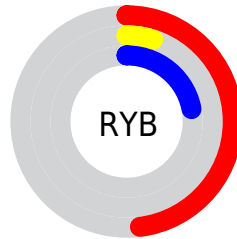
The CIELCh color **26, 46.573, 5.855** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **45, 42.126, 158.285**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **46, 46.570, 5.566**, and **11, 33.289, 20.143** is the 20% darker color. If you saturate the color by 10%, you get **25, 48.874, 9.908**, and if you desaturate by 10%, it is **27, 43.587, 2.335**.

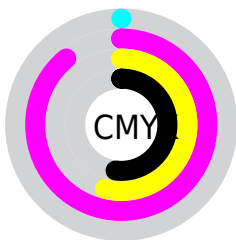
Distribution



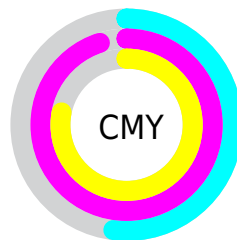
- Red (48%)
- Green (5%)
- Blue (22%)



- Red (48%)
- Yellow (5%)
- Blue (22%)



- Cyan (0%)
- Magenta (89%)
- Yellow (54%)
- Black (52%)



- Cyan (52%)
- Magenta (95%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 26, 46.573, 5.855 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, 46.573, 5.855 by changing the saturation by 10% instead.

 26, 46.573, 5.855  26, 46.573, 5.855

 100, 46.573, 5.855  16, 46.573, 5.855

 46, 46.573, 5.855  6, 46.573, 5.855

 56, 46.573, 5.855  0, 46.573, 5.855

 66, 46.573, 5.855

 76, 46.573, 5.855

 86, 46.573, 5.855

 96, 46.573, 5.855

 26, 46.573, 5.855  26, 46.573, 5.855

 25, 48.874, 9.908  27, 43.587, 2.335

25, 49.127, 10.302

29, 39.537,
359.532

32, 34.603,
357.292

35, 29.053,
355.472

38, 23.151,
353.963

41, 17.110,
352.682

44, 11.083,
351.571

48, 5.172, 350.571

52, 0.567, 170.316

Harmonies

Complementary

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



26, 46.573, 5.855



45, 42.126, 158.285

Rectangle

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



26, 46.573, 5.855



26, 46.573, 55.855



26, 46.573, 185.855



26, 46.573, 235.855

Sweetspot

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



26, 46.571, 5.857



53, 19.638, 352.524



21, 66.338, 315.141



26, 13.191, 352.839



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, 46.571, 5.857



33, 59.330, 11.660



26, 52.413, 38.591



24, 3.243, 350.579



25, 49.900, 10.427



54, 84.492, 13.483

Inverse Universe

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



26, 46.571, 5.857



33, 59.330, 11.660



43, 25.384, 211.967



24, 3.243, 350.579



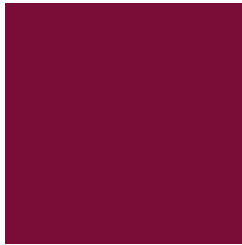
25, 49.900, 10.427



54, 84.492, 13.483

Previews

White Background



This preview shows how the CIE LCh color 26, 46.573, 5.855 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, 46.573, 5.855 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

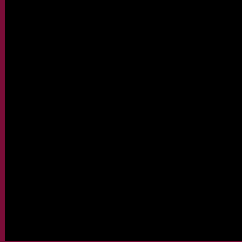
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 26, 46.573, 5.855

Background



This preview shows how black text looks on a background with the CIELCh color 26, 46.573, 5.855.



This preview shows how white text looks on a background with the CIELCh color 26, 46.573, 5.855.

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, 46.573, 5.855

Protanopia

27, 11.112, 286.159

Deuteranopia

27, 9.140, 64.946



Tritanopia
26, 48.228, 32.460

Trichromacy



Original Color
26, 46.573, 5.855

Protanomaly
24, 23.335, 338.158

Deuteranomaly
25, 23.395, 10.780

Tritanomaly
26, 46.345, 23.377

Monochromacy



Original Color
26, 46.573, 5.855

Achromatopsia
21, 0.004, 296.813

Achromatomaly
21, 21.090, 354.993

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 26, 46.573, 5.855 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, 13, 56)` looks like.

```
.text, #text, p{  
    color:rgb(122, 13, 56)  
}
```

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, 13, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 13, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 26, 46.573, 5.855 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, 13, 56) }
```

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

```
.border{ border-color:rgb(122, 13, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 13, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 13, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 13, 56);  
box-shadow:4px 4px 4px 4px rgb(122, 13,  
56) }
```

Background

The CSS property to change the background color of an element to CIELCh 26, 46.573, 5.855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 13, 56) }
```

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

```
.background{ background-color: rgb(122, 13,  
56) }
```

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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