

Converting Colors

CIELCh(25, 26.798, 323.572)

Have a look what the booklet for
CIELCh(25, 26.798, 323.572)
contains.

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Color

CIELCh(25, 26.706, 323.236)

Conversions

Conversions Part 1

Format	Color
Hex	503054
RGB	80, 48, 84
RGB Percent	31%, 19%, 33%
CMY	0.6876, 0.8129, 0.6719
CMYK	0.05, 0.43, 0.00, 0.67
HSL	293°, 27%, 26%
HSV	293°, 43%, 33%
XYZ	5.9129, 4.4155, 8.8620
YIQ	61.6720, 7.5160, 17.9800

Conversions

Conversions Part 2

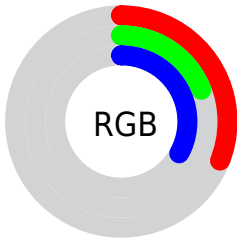
Format	Color
RYB	80, 48, 84
Decimal	5255252
CIELab	25.00, 21.39, -15.98
CIELCh	25, 26.706, 323.236
Yxy	4.4155, 0.3081, 0.2301
Android (android.graphics.Color)	4283445332 (0xFF503054)
YUV	61.6720, 11.0077, 16.0737
Hunter-Lab	21.0130, 13.4560, -10.2958

Details

The CIELCh color $25, 26.706, 323.236$ is a dark color, and the websafe version is hex 663366 . A complement of this color would be $32, 26.505, 138.910$, and the grayscale version is $26, 0.004, 296.813$.

A 20% lighter version of the original color is $45, 26.805, 322.991$, and $5, 27.007, 323.476$ is the 20% darker color. If you saturate the color by 10%, you get $23, 32.573, 323.602$, and if you desaturate by 10%, it is $27, 20.573, 322.828$.

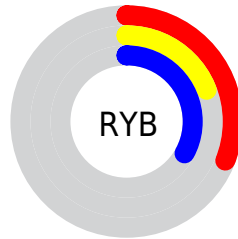
Distribution



Red (31%)

Green (19%)

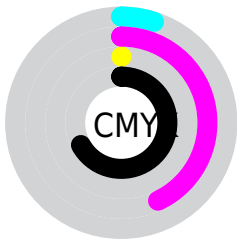
Blue (33%)



Red (31%)

Yellow (19%)

Blue (33%)

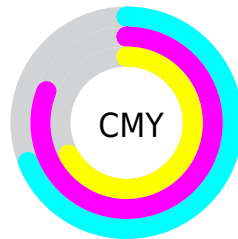


Cyan (5%)

Magenta (43%)

Yellow (0%)

Black (67%)



Cyan (69%)


Magenta (81%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 26.706, 323.236 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 25, 26.706, 323.236 by changing the saturation by 10% instead.

 25, 26.706,
323.236


 25, 26.706,
323.236

 100, 26.706,
323.236


 15, 26.706,
323.236


 45, 26.706,
323.236


 5, 26.706, 323.236

 55, 26.706,
323.236

 0, 26.706, 323.236

 65, 26.706,
323.236

 75, 26.706,
323.236

 85, 26.706,
323.236

 95, 26.706,

323.236

■ 25, 26.706,
323.236

■ 25, 26.706,
323.236

■ 23, 32.573,
323.602

■ 27, 20.573,
322.828

■ 21, 37.994,
323.906

■ 30, 14.322,
322.395

■ 19, 42.753,
324.125

■ 32, 8.056, 321.949

■ 18, 46.631,
324.235

■ 35, 1.847, 321.460

■ 17, 49.622,
324.239

■ 37, 4.256, 141.127

■ 16, 51.754,
324.260

■ 40, 10.224,
140.697

■ 43, 16.041,
140.298

■ 45, 21.700,
139.924

■ 48, 27.199,
139.573

Harmonies

Complementary

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



25, 26.706, 323.236



32, 26.505, 138.910

Rectangle

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



25, 26.706, 323.236



25, 26.706, 13.236



25, 26.706, 143.236



25, 26.706, 193.236

Sweetspot

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



25, 26.705, 323.236



42, 10.074, 321.970



23, 21.254, 290.640



21, 7.112, 322.037



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



25, 26.705, 323.236



31, 39.902, 323.630



25, 21.168, 341.172



15, 3.383, 321.752



21, 60.443, 324.146



51, 108.473, 323.870

Inverse Universe

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



24, 17.564, 14.824



30, 27.102, 16.768



32, 20.699, 154.263



15, 2.039, 10.815



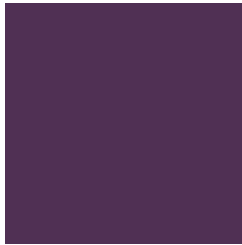
20, 49.225, 31.711



49, 92.433, 35.930

Previews

White Background



This preview shows how the CIELCh color 25, 26.706, 323.236 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 25, 26.706, 323.236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

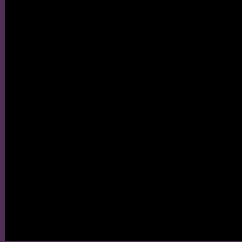
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 26.706, 323.236

Background



This preview shows how black text looks on a background with the CIELCh color 25, 26.706, 323.236.



This preview shows how white text looks on a background with the CIELCh color 25, 26.706, 323.236.

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

25, 26.706, 323.236

Protanopia

25, 22.528, 284.230

Deuteranopia

25, 15.233, 284.648



Tritanopia
25, 11.245, 4.898

Trichromacy



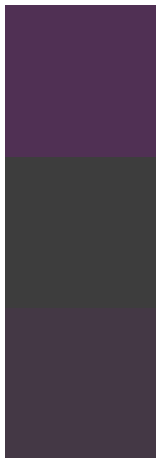
Original Color
25, 26.706, 323.236

Protanomaly
25, 23.180, 298.373

Deuteranomaly
25, 18.815, 303.426

Tritanomaly
25, 15.558, 340.380

Monochromacy



Original Color
25, 26.706, 323.236

Achromatopsia
26, 0.004, 296.813

Achromatomaly
25, 10.075, 323.180

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 26.706, 323.236 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(80, 48, 84)` looks like.

```
.text, #text, p{  
    color:rgb(80, 48, 84)  
}
```

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(80, 48, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 48, 84) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 26.706, 323.236 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(80, 48, 84) }
```

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

```
.border{ border-color:rgb(80, 48, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 48, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 48, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 48, 84);  
box-shadow:4px 4px 4px 4px rgb(80, 48, 84)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 26.706, 323.236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 48, 84) }
```

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

```
.background{ background-color: rgb(80, 48,  
84) }
```

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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