

Converting Colors

CIELCh(26, 44.733, 315.507)

Have a look what the booklet for
CIELCh(26, 44.733, 315.507)
contains.

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Color

CIELCh(26, 44.901, 315.342)

Conversions

Conversions Part 1

Format	Color
Hex	542B6E
RGB	84, 43, 110
RGB Percent	33%, 17%, 43%
CMY	0.6703, 0.8311, 0.5684
CMYK	0.24, 0.61, 0.00, 0.57
HSL	277°, 44%, 30%
HSV	277°, 61%, 43%
XYZ	7.3452, 4.7465, 15.2981
YIQ	62.8970, 2.9290, 29.5290

Conversions

Conversions Part 2

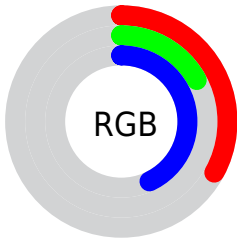
Format	Color
R_{YB}	84, 43, 110
Decimal	5516142
CIE _{Lab}	26.00, 31.94, -31.56
CIE _{LCh}	26, 44.901, 315.342
Yxy	4.7465, 0.2682, 0.1733
Android (android.graphics.Color)	4283706222 (0xFF542B6E)
YUV	62.8970, 23.2218, 18.5073
Hunter-Lab	21.7865, 22.0540, -26.3820

Details

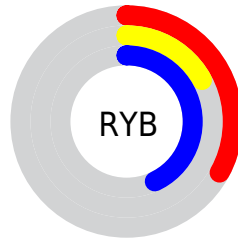
The CIELCh color $[26, 44.901, 315.342]$ is a dark color, and the websafe version is hex 663366 . A complement of this color would be $[42, 42.295, 130.220]$, and the grayscale version is $[27, 0.004, 296.813]$.

A 20% lighter version of the original color is $[46, 44.708, 315.473]$, and $[6, 43.745, 314.605]$ is the 20% darker color. If you saturate the color by 10%, you get $[23, 51.551, 315.576]$, and if you desaturate by 10%, it is $[29, 37.708, 314.997]$.

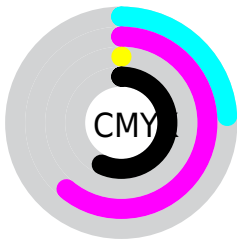
Distribution



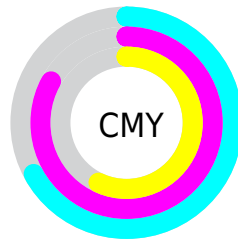
- Red (33%)
- Green (17%)
- Blue (43%)



- Red (33%)
- Yellow (17%)
- Blue (43%)



- Cyan (24%)
- Magenta (61%)
- Yellow (0%)
- Black (57%)



- Cyan (67%)
- Magenta (83%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 26, 44.901, 315.342 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, 44.901, 315.342 by changing the saturation by 10% instead.

 26, 44.901,
315.342


 26, 44.901,
315.342

 100, 44.901,
315.342

 16, 44.901,
315.342

 46, 44.901,
315.342

 6, 44.901, 315.342

 56, 44.901,
315.342

 0, 44.901, 315.342

 66, 44.901,
315.342

 76, 44.901,
315.342

 86, 44.901,
315.342

 96, 44.901,

315.342

■ 26, 44.901,
315.342

■ 26, 44.901,
315.342

■ 23, 51.551,
315.576

■ 29, 37.708,
314.997

■ 21, 57.303,
315.636

■ 32, 30.248,
314.591

■ 19, 61.764,
315.448

■ 36, 22.710,
314.159

■ 17, 65.368,
315.242

■ 39, 15.217,
313.724

■ 43, 7.843, 313.299

■ 46, 0.631, 312.758

■ 50, 6.396, 132.564

■ 53, 13.230,
132.220

■ 57, 19.869,
131.913

Harmonies

Complementary

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



26, 44.901, 315.342



42, 42.295, 130.220

Rectangle

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



26, 44.901, 315.342



26, 44.901, 5.342



26, 44.901, 135.342



26, 44.901, 185.342

Sweetspot

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



26, 44.900, 315.342



51, 16.202, 313.621



29, 26.564, 277.067



25, 11.206, 313.718



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



26, 44.900, 315.342



30, 65.148, 315.626



30, 43.704, 330.592



22, 4.110, 313.221



19, 69.510, 315.144



43, 119.237, 314.544

Inverse Universe

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



28, 32.629, 357.890



34, 46.633, 1.266



41, 44.250, 142.071



22, 3.005, 350.873



24, 48.444, 10.645



53, 83.284, 13.903

Previews

White Background



This preview shows how the CIELCh color 26, 44.901, 315.342 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, 44.901, 315.342 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

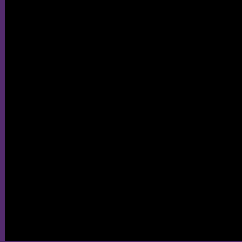
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 26, 44.901, 315.342

Background



This preview shows how black text looks on a background with the CIELCh color 26, 44.901, 315.342.



This preview shows how white text looks on a background with the CIELCh color 26, 44.901, 315.342.

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, 44.901, 315.342

Protanopia

26, 44.611, 285.795

Deuteranopia

26, 28.938, 276.912



Tritanopia
26, 9.176, 4.783

Trichromacy



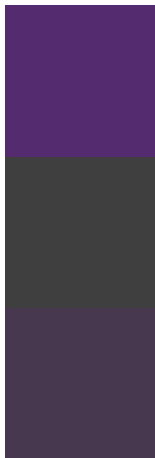
Original Color
26, 44.901, 315.342

Protanomaly
25, 43.975, 291.744

Deuteranomaly
25, 33.427, 292.941

Tritanomaly
26, 20.896, 326.113

Monochromacy



Original Color
26, 44.901, 315.342

Achromatopsia
27, 0.004, 296.813

Achromatomaly
26, 16.967, 314.490

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 26, 44.901, 315.342 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(84, 43, 110)` looks like.

```
.text, #text, p{  
    color:rgb(84, 43, 110)  
}
```

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(84, 43, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 43, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 26, 44.901, 315.342 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(84, 43, 110) }
```

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

```
.border{ border-color:rgb(84, 43, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 43, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 43, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 43, 110);  
box-shadow:4px 4px 4px 4px rgb(84, 43,  
110) }
```

Background

The CSS property to change the background color of an element to CIELCh 26, 44.901, 315.342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 43, 110) }
```

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

```
.background{ background-color: rgb(84, 43,  
110) }
```

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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