

Converting Colors

CIELCh(26, 55.514, 311.356)

Have a look what the booklet for
CIELCh(26, 55.514, 311.356)
contains.

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Color

CIELCh(26, 55.681, 311.328)

Conversions

Conversions Part 1

Format	Color
Hex	50287E
RGB	80, 40, 126
RGB Percent	31%, 16%, 49%
CMY	0.6858, 0.8427, 0.5054
CMYK	0.36, 0.68, 0.00, 0.51
HSL	268°, 52%, 33%
HSV	268°, 68%, 49%
XYZ	7.8565, 4.7465, 20.2850
YIQ	61.7640, -3.7660, 35.2260

Conversions

Conversions Part 2

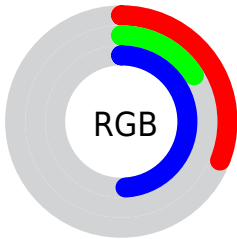
Format	Color
R_{YB}	80, 40, 126
Decimal	5253246
CIE _{Lab}	26.00, 36.77, -41.81
CIE _{LCh}	26, 55.681, 311.328
Yxy	4.7465, 0.2389, 0.1443
Android (android.graphics.Color)	4283443326 (0xFF50287E)
YUV	61.7640, 31.6683, 15.9930
Hunter-Lab	21.7865, 26.2432, -39.9535

Details

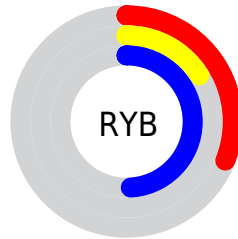
The CIELCh color **26, 55.681, 311.328** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **48, 49.904, 125.085**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **46, 55.498, 311.452**, and **7, 52.591, 310.235** is the 20% darker color. If you saturate the color by 10%, you get **23, 62.910, 311.635**, and if you desaturate by 10%, it is **30, 47.692, 310.865**.

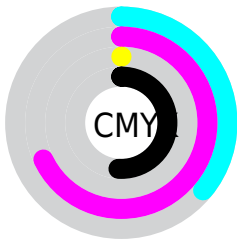
Distribution



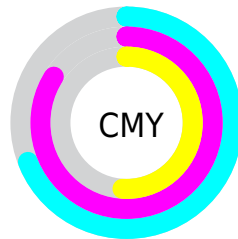
- Red (31%)
- Green (16%)
- Blue (49%)



- Red (31%)
- Yellow (16%)
- Blue (49%)



- Cyan (36%)
- Magenta (68%)
- Yellow (0%)
- Black (51%)





- Cyan (69%)
- Magenta (84%)
- Yellow (51%)
- Black (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 26, 55.681, 311.328 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, 55.681, 311.328 by changing the saturation by 10% instead.

 26, 55.681,
311.328


 26, 55.681,
311.328

 100, 55.681,
311.328


 16, 55.681,
311.328


 46, 55.681,
311.328


 6, 55.681, 311.328

 56, 55.681,
311.328

 0, 55.681, 311.328

 66, 55.681,
311.328

 76, 55.681,
311.328

 86, 55.681,
311.328

 96, 55.681,

311.328

■ 26, 55.681,
311.328

■ 26, 55.681,
311.328

■ 23, 62.910,
311.635

■ 30, 47.692,
310.865

■ 20, 68.845,
311.679

■ 33, 39.350,
310.324

■ 18, 73.470,
311.502

■ 37, 30.920,
309.760

■ 18, 74.349,
311.500

■ 41, 22.562,
309.207

■ 45, 14.367,
308.682

■ 49, 6.380, 308.194

■ 54, 1.378, 127.824

■ 58, 8.902, 127.386

■ 62, 16.195,
127.035

Harmonies

Complementary

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



26, 55.681, 311.328



48, 49.904, 125.085

Rectangle

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



26, 55.681, 311.328



26, 55.681, 1.328



26, 55.681, 131.328



26, 55.681, 181.328

Sweetspot

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



26, 55.681, 311.328



57, 19.560, 308.798



36, 26.696, 263.969



28, 13.319, 308.917



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



26, 55.681, 311.328



29, 80.230, 311.700



32, 56.550, 326.045



25, 4.434, 308.237



18, 74.939, 311.488



0, 0.000, 0.000

Inverse Universe

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



31, 42.384, 349.417



37, 57.987, 352.765



47, 57.021, 137.822



25, 3.679, 342.480



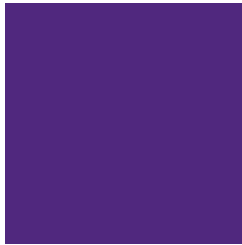
27, 51.282, 357.421



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 26, 55.681, 311.328 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, 55.681, 311.328 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

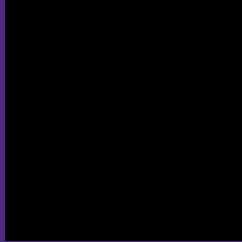
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 26, 55.681, 311.328

Background



This preview shows how black text looks on a background with the CIELCh color 26, 55.681, 311.328.



This preview shows how white text looks on a background with the CIELCh color 26, 55.681, 311.328.

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, 55.681, 311.328

Protanopia

26, 44.049, 285.148

Deuteranopia

26, 32.206, 272.959



Tritanopia
26, 4.873, 338.220

Trichromacy



Original Color
26, 55.681, 311.328

Protanomaly
25, 48.441, 293.060

Deuteranomaly
25, 40.859, 289.320

Tritanomaly
26, 23.586, 312.754

Monochromacy



Original Color
26, 55.681, 311.328

Achromatopsia
26, 0.004, 296.813

Achromatomaly
25, 21.306, 310.182

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 26, 55.681, 311.328 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, 40, 126)` looks like.

```
.text, #text, p{  
    color:rgb(80, 40, 126)  
}
```

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, 40, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 40, 126) }
```

Border

The CSS property to change the border of an element to CIELCh 26, 55.681, 311.328 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, 40, 126) }
```

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

```
.border{ border-color:rgb(80, 40, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 40, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 40, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 40, 126);  
box-shadow:4px 4px 4px 4px rgb(80, 40,  
126) }
```

Background

The CSS property to change the background color of an element to CIELCh 26, 55.681, 311.328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 40, 126) }
```

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

```
.background{ background-color: rgb(80, 40,  
126) }
```

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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