Converting Colors

CIELCh(26, 31.392, 322.287)

Have a look what the booklet for CIELCh(26, 31.392, 322.287) contains.

Color

CIELCh(26, 31.160, 322.558)

Conversions

Conversions Part 1

Format	Color
Hex	55305B
RGB	85, 48, 91
RGB Percent	33%, 19%, 36%
CMY	0.6682, 0.8132, 0.6446
CMYK	0.07, 0.47, 0.00, 0.64
HSL	292°, 31%, 27%
HSV	292°, 47%, 36%
XYZ	6.6253, 4.7465, 10.3778
YIQ	63.9650, 8.2490, 21.2170

Conversions

Conversions Part 2

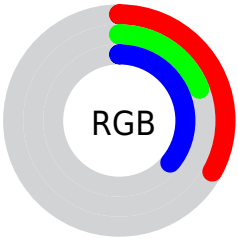
Format	Color
RYB	85, 48, 91
Decimal	5582939
CIELab	26.00, 24.74, -18.94
CIELCh	26, 31.160, 322.558
Yxy	4.7465, 0.3046, 0.2182
Android (android.graphics.Color)	4283773019 (0xFF55305B)
YUV	63.9650, 13.3283, 18.4477
Hunter-Lab	21.7865, 16.1555, -12.9918

Details

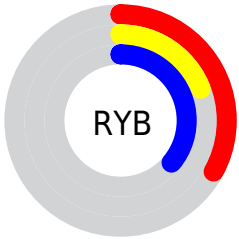
The CIELCh color 26, 31.160, 322.558 is a dark color, and the websafe version is hex 663366. A complement of this color would be 35, 30.829, 137.856, and the grayscale version is 27, 0.004, 296.813.

A 20% lighter version of the original color is 46, 31.263, 322.974, and 6, 31.379, 322.284 is the 20% darker color. If you saturate the color by 10%, you get 24, 37.231, 322.888, and if you desaturate by 10%, it is 28, 24.733, 322.174.

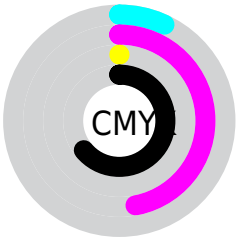
Distribution



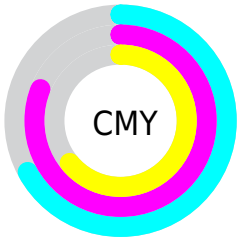
- Red (33%)
- Green (19%)
- Blue (36%)



- Red (33%)
- Yellow (19%)
- Blue (36%)



- Cyan (7%)
- Magenta (47%)
- Yellow (0%)
- Black (64%)



- Cyan (67%)
- Magenta (81%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 26, 31.160, 322.558 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, 31.160, 322.558 by changing the saturation by 10% instead.

26, 31.160, 322.558

26, 31.160, 322.558

100, 31.160, 322.558

16, 31.160, 322.558

46, 31.160, 322.558

6, 31.160, 322.558

0, 31.160, 322.558

56, 31.160, 322.558

66, 31.160, 322.558

76, 31.160, 322.558

86, 31.160, 322.558

96, 31.160,

322.558

26, 31.160, 322.558

24, 37.231, 322.888

22, 42.733, 323.140

20, 47.417, 323.284

19, 51.052, 323.294

18, 54.024, 323.232

17, 54.832, 323.227

26, 31.160, 322.558

28, 24.733, 322.174

31, 18.128, 321.757

34, 11.472, 321.322

36, 4.856, 320.875

39, 1.662, 140.552

42, 8.045, 140.081

45, 14.271, 139.682

48, 20.330, 139.309

51, 26.219, 138.960

Harmonies

Complementary

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

26, 31.160, 322.558

35, 30.829, 137.856

Rectangle

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

26, 31.160, 322.558

26, 31.160, 12.558

26, 31.160, 142.558

26, 31.160, 192.558

Sweetspot

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

26, 31.159, 322.558

45, 11.382, 321.191

24, 24.261, 289.962

21, 7.785, 321.253

76, 0.009, 296.813

25, 0.004, 296.813

Same Dimension

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

26, 31.159, 322.558

31, 45.600, 322.928

26, 25.357, 339.974

17, 3.708, 320.940

22, 62.698, 323.112

51, 110.622, 322.793

Inverse Universe

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

25, 20.870, 13.496

31, 31.498, 15.823

35, 24.922, 152.314

17, 2.270, 8.588

21, 50.477, 30.744

50, 92.360, 34.415

Previews

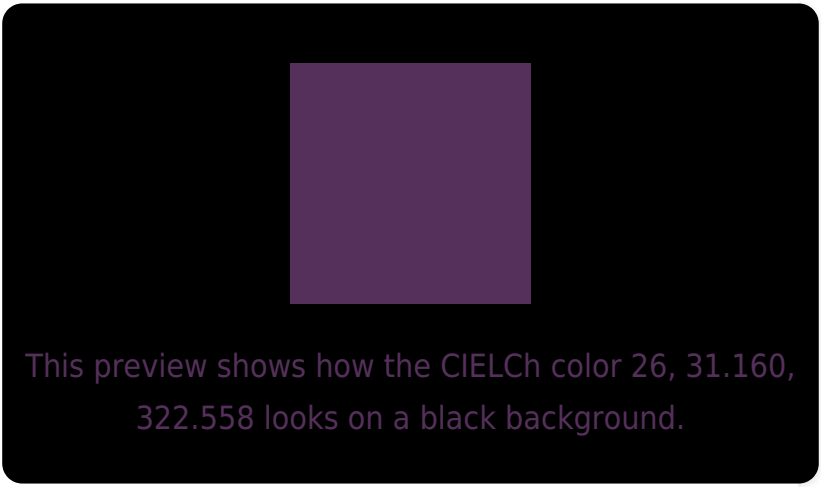
White Background

This preview shows how the CIELCh color 26, 31.160, 322.558 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

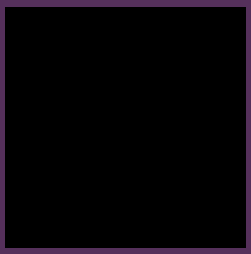


Color Contrast Check

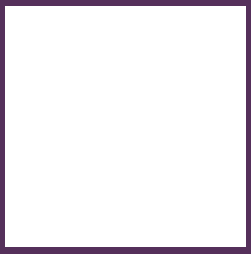
Large Text (above 18pt) WCAG AA × Fail
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the Color Contrast Checker.

CIELCh 26, 31.160, 322.558 Background



This preview shows how black text looks on a background with the CIELCh color 26, 31.160, 322.558.



This preview shows how white text looks on a background with the CIELCh color 26, 31.160, 322.558.

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, 31.160, 322.558

Protanopia
26, 26.944, 285.168

Deuteranopia
26, 17.849, 283.110

Tritanopia
26, 12.006, 9.391

Trichromacy

Original Color
26, 31.160, 322.558

Protanomaly
26, 27.622, 298.356

Deuteranomaly
26, 21.965, 302.298

Tritanomaly
26, 17.575, 341.416

Monochromacy

Original Color
26, 31.160, 322.558

Achromatopsia
27, 0.004, 296.813

Achromatomaly
26, 11.903, 320.044

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 26, 31.160, 322.558 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(85, 48, 91) looks like.

```
.text, #text, p{
    color:rgb(85, 48, 91)
}
```

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(85, 48, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 48, 91) }
```

Border

The CSS property to change the border of an element to CIELCh 26, 31.160, 322.558 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(85, 48, 91) }
```

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

```
.border{ border-color:rgb(85, 48, 91) }
```

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

Here you see how a box with a 4 pixel rgb(85, 48, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(85, 48, 91); -webkit-box-shadow:4px 4px 4px 4px rgb(85, 48, 91); box-shadow:4px 4px 4px 4px rgb(85, 48, 91) }
```

Background

The CSS property to change the background color of an element to CIELCh 26, 31.160, 322.558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(85, 48, 91) }
```

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

```
.background{ background-color:rgb(85, 48,
91) }
```

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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