

Converting Colors

CIELCh(25, 42.765, 311.862)

Have a look what the booklet for
CIELCh(25, 42.765, 311.862)
contains.

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Color

CIELCh(25, 42.817, 311.902)

Conversions

Conversions Part 1

Format	Color
Hex	4C2C6C
RGB	76, 44, 108
RGB Percent	30%, 17%, 42%
CMY	0.7021, 0.8276, 0.5766
CMYK	0.30, 0.59, 0.00, 0.58
HSL	270°, 42%, 30%
HSV	270°, 59%, 42%
XYZ	6.5814, 4.4155, 14.6817
YIQ	60.8640, -1.4720, 26.6880

Conversions

Conversions Part 2

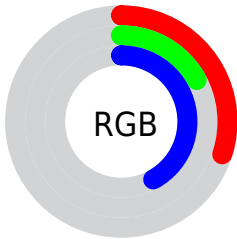
Format	Color
R_{YB}	76, 44, 108
Decimal	4992108
CIE Lab	25.00, 28.60, -31.87
CIE LCh	25, 42.817, 311.902
Yxy	4.4155, 0.2563, 0.1720
Android (android.graphics.Color)	4283182188 (0xFF4C2C6C)
YUV	60.8640, 23.2380, 13.2743
Hunter-Lab	21.0130, 19.1347, -26.7165

Details

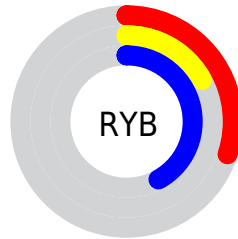
The CIELCh color **25, 42.817, 311.902** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **42, 39.371, 126.548**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **45, 42.910, 311.887**, and **5, 42.369, 311.592** is the 20% darker color. If you saturate the color by 10%, you get **22, 49.759, 312.298**, and if you desaturate by 10%, it is **28, 35.525, 311.423**.

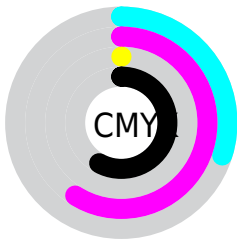
Distribution



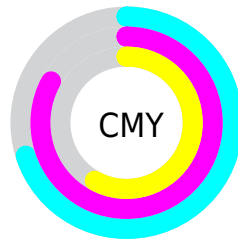
- Red (30%)
- Green (17%)
- Blue (42%)



- Red (30%)
- Yellow (17%)
- Blue (42%)



- Cyan (30%)
- Magenta (59%)
- Yellow (0%)
- Black (58%)



- Cyan (70%)
- Magenta (83%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 25, 42.817, 311.902 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, 42.817, 311.902 by changing the saturation by 10% instead.

■ 25, 42.817,
311.902

■ 25, 42.817,
311.902

■ 100, 42.817,
311.902

■ 15, 42.817,
311.902

■ 45, 42.817,
311.902

■ 5, 42.817, 311.902

■ 55, 42.817,
311.902

■ 0, 42.817, 311.902

■ 65, 42.817,
311.902

■ 75, 42.817,
311.902

■ 85, 42.817,
311.902

■ 95, 42.817,

311.902

■ 25, 42.817,
311.902

■ 25, 42.817,
311.902

■ 22, 49.759,
312.298

■ 28, 35.525,
311.423

■ 19, 56.010,
312.537

■ 32, 28.120,
310.912

■ 17, 61.131,
312.528

■ 35, 20.748,
310.401

■ 15, 65.587,
312.447

■ 39, 13.496,
309.910

■ 15, 65.938,
312.455

■ 42, 6.410, 309.447

■ 46, 0.486, 129.195

■ 49, 7.184, 128.672

■ 53, 13.684,
128.328

■ 57, 19.991,
128.026

Harmonies

Complementary

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



25, 42.817, 311.902



42, 39.371, 126.548

Rectangle

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



25, 42.817, 311.902



25, 42.817, 1.902



25, 42.817, 131.902



25, 42.817, 181.902

Sweetspot

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



25, 42.816, 311.902



50, 15.604, 309.872



32, 21.643, 264.784



25, 10.960, 309.981



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



25, 42.816, 311.902



29, 62.922, 312.408



29, 44.890, 326.777



20, 3.855, 309.432



17, 70.013, 312.350



39, 121.214, 311.699

Inverse Universe

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



28, 32.846, 349.967



34, 46.707, 352.450



40, 45.188, 139.388



21, 3.104, 344.301



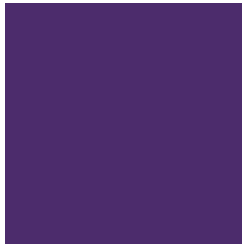
24, 47.927, 0.159



53, 82.063, 2.838

Previews

White Background



This preview shows how the CIELCh color 25, 42.817, 311.902 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, 42.817, 311.902 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

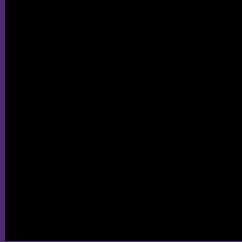
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 42.817, 311.902

Background



This preview shows how black text looks on a background with the CIELCh color 25, 42.817, 311.902.



This preview shows how white text looks on a background with the CIELCh color 25, 42.817, 311.902.

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, 42.817, 311.902

Protanopia
25, 42.278, 285.391

Deuteranopia
25, 29.844, 276.405



Tritanopia
25, 5.279, 350.598

Trichromacy



Original Color
25, 42.817, 311.902

Protanomaly
24, 42.187, 291.410

Deuteranomaly
25, 33.636, 290.316

Tritanomaly
25, 18.750, 316.778

Monochromacy



Original Color
25, 42.817, 311.902

Achromatopsia
26, 0.004, 296.813

Achromatomaly
25, 15.898, 309.622

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 42.817, 311.902 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(76, 44, 108)` looks like.

```
.text, #text, p{  
    color:rgb(76, 44, 108)  
}
```

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(76, 44, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 44, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 42.817, 311.902 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(76, 44, 108) }
```

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

```
.border{ border-color:rgb(76, 44, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 44, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 44, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 44, 108);  
box-shadow:4px 4px 4px 4px rgb(76, 44,  
108) }
```

Background

The CSS property to change the background color of an element to CIELCh 25, 42.817, 311.902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 44, 108) }
```

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

```
.background{ background-color: rgb(76, 44,  
108) }
```

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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