

Converting Colors

CIELCh(35, 25.630, 324.691)

Have a look what the booklet for
CIELCh(35, 25.630, 324.691)
contains.

CIELCh(35, 25.363, 324.470)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(35, 25.363, 324.470)

Conversions

Conversions Part 1

Format	Color
Hex	68476A
RGB	104, 71, 106
RGB Percent	41%, 28%, 42%
CMY	0.5920, 0.7214, 0.5841
CMYK	0.02, 0.33, 0.00, 0.58
HSL	297°, 20%, 35%
HSV	297°, 33%, 42%
XYZ	10.5731, 8.4984, 14.7300
YIQ	84.8570, 8.4330, 17.8810

Conversions

Conversions Part 2

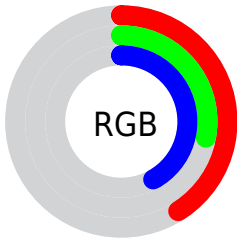
Format	Color
R_{YB}	104, 71, 106
Decimal	6834026
CIE _{Lab}	35.00, 20.64, -14.74
CIE _{LCh}	35, 25.363, 324.470
Yxy	8.4984, 0.3128, 0.2514
Android (android.graphics.Color)	4285024106 (0xFF68476A)
YUV	84.8570, 10.4235, 16.7884
Hunter-Lab	29.1520, 13.7239, -9.5519

Details

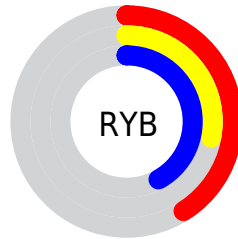
The CIELCh color $[35, 25.363, 324.470]$ is a dark color, and the websafe version is hex 663366 . A complement of this color would be $[42, 25.282, 140.894]$, and the grayscale version is $[36, 0.005, 296.813]$.

A 20% lighter version of the original color is $[55, 25.213, 324.931]$, and $[15, 25.791, 324.216]$ is the 20% darker color. If you saturate the color by 10%, you get $[32, 32.826, 324.912]$, and if you desaturate by 10%, it is $[38, 17.690, 324.000]$.

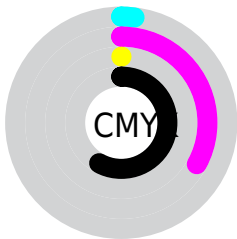
Distribution



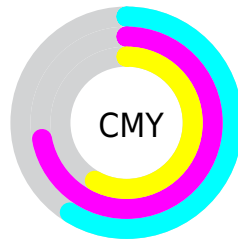
- Red (41%)
- Green (28%)
- Blue (42%)



- Red (41%)
- Yellow (28%)
- Blue (42%)



- Cyan (2%)
- Magenta (33%)
- Yellow (0%)
- Black (58%)





- Cyan (59%)
- Magenta (72%)
- Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 25.363, 324.470 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 35, 25.363, 324.470 by changing the saturation by 10% instead.


 35, 25.363,
324.470


 35, 25.363,
324.470

 100, 25.363,
324.470


 25, 25.363,
324.470

 55, 25.363,
324.470


 15, 25.363,
324.470


 65, 25.363,
324.470

 5, 25.363, 324.470

 75, 25.363,
324.470

 0, 25.363, 324.470

 85, 25.363,
324.470

 95, 25.363,
324.470

■ 35, 25.363,
324.470

■ 35, 25.363,
324.470

■ 32, 32.826,
324.912

■ 38, 17.690,
324.000

■ 30, 39.881,
325.310

■ 41, 9.964, 323.514

■ 44, 2.291, 322.982

■ 28, 46.275,
325.645

■ 47, 5.258, 142.606

■ 26, 51.733,
325.896

■ 50, 12.638,
142.132

■ 24, 55.997,
326.047

■ 53, 19.825,
141.689

■ 23, 58.943,
326.089

■ 57, 26.806,
141.271

■ 23, 60.786,
326.105

■ 60, 33.579,
140.878

■ 63, 40.148,
140.510

Harmonies

Complementary

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



35, 25.363, 324.470



42, 25.282, 140.894

Rectangle

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



35, 25.363, 324.470



35, 25.363, 14.470



35, 25.363, 144.470



35, 25.363, 194.470

Sweetspot

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



35, 25.362, 324.470



54, 9.478, 323.378



32, 20.682, 291.397



27, 6.422, 323.429



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



35, 25.362, 324.470



43, 37.902, 324.831



35, 19.198, 342.907



21, 4.330, 323.312



26, 65.308, 326.081



56, 112.407, 325.956

Inverse Universe

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



34, 16.074, 17.687



41, 24.710, 18.839



42, 18.695, 157.444



21, 2.551, 15.217



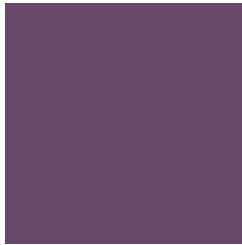
23, 55.471, 35.298



51, 99.162, 38.347

Previews

White Background



This preview shows how the CIELCh color 35, 25.363, 324.470 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 35, 25.363, 324.470 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

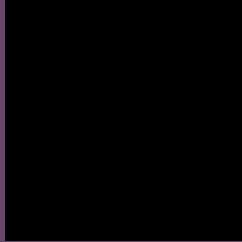
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 25.363, 324.470

Background



This preview shows how black text looks on a background with the CIELCh color 35, 25.363, 324.470.



This preview shows how white text looks on a background with the CIELCh color 35, 25.363, 324.470.

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

35, 25.363, 324.470

Protanopia

35, 20.689, 285.676

Deuteranopia

35, 14.364, 289.504



Tritanopia
35, 11.617, 2.682

Trichromacy



Original Color
35, 25.363, 324.470

Protanomaly
35, 21.511, 300.582

Deuteranomaly
35, 18.114, 306.640

Tritanomaly
35, 15.866, 340.350

Monochromacy



Original Color
35, 25.363, 324.470

Achromatopsia
36, 0.005, 296.813

Achromatomaly
36, 9.557, 322.990

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 25.363, 324.470 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(104, 71, 106)` looks like.

```
.text, #text, p{  
    color:rgb(104, 71, 106)  
}
```

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(104, 71, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 71, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 25.363, 324.470 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(104, 71, 106) }
```

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

```
.border{ border-color:rgb(104, 71, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 71, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 71, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 71, 106);  
box-shadow:4px 4px 4px 4px rgb(104, 71,  
106) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 25.363, 324.470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 71, 106) }
```

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

```
.background{ background-color: rgb(104, 71,  
106) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor