

Converting Colors

CIELCh(34, 25.672, 303.570)

Have a look what the booklet for
CIELCh(34, 25.672, 303.570)
contains.

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Color

CIELCh(34, 25.517, 303.290)

Conversions

Conversions Part 1

Format	Color
Hex	554A72
RGB	85, 74, 114
RGB Percent	33%, 29%, 45%
CMY	0.6674, 0.7105, 0.5537
CMYK	0.25, 0.35, 0.00, 0.55
HSL	256°, 21%, 37%
HSV	256°, 35%, 45%
XYZ	9.1940, 8.0082, 16.9254
YIQ	81.8490, -6.2840, 14.7720

Conversions

Conversions Part 2

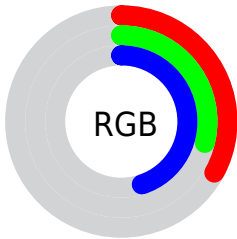
Format	Color
R _{YB}	85, 74, 114
Decimal	5589618
CIE _{Lab}	34.00, 14.01, -21.33
CIE _{LCh}	34, 25.517, 303.290
Yxy	8.0082, 0.2694, 0.2347
Android (android.graphics.Color)	4283779698 (0xFF554A72)
YUV	81.8490, 15.8504, 2.7634
Hunter-Lab	28.2988, 8.4703, -15.6520

Details

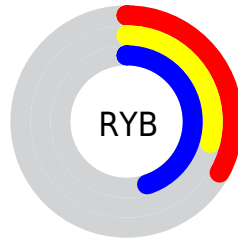
The CIELCh color $[34, 25.517, 303.290]$ is a dark color, and the websafe version is hex `666699`. A complement of this color would be $[46, 23.787, 118.843]$, and the grayscale version is $[35, 0.005, 296.813]$.

A 20% lighter version of the original color is $[54, 25.284, 302.764]$, and $[14, 25.772, 303.134]$ is the 20% darker color. If you saturate the color by 10%, you get $[30, 33.290, 304.168]$, and if you desaturate by 10%, it is $[38, 17.951, 302.490]$.

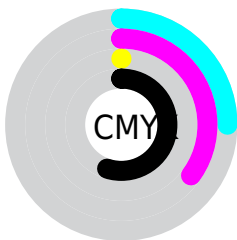
Distribution



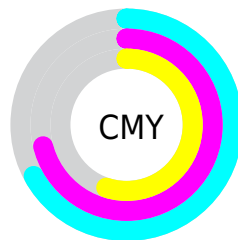
- Red (33%)
- Green (29%)
- Blue (45%)



- Red (33%)
- Yellow (29%)
- Blue (45%)



- Cyan (25%)
- Magenta (35%)
- Yellow (0%)
- Black (55%)





- Cyan (67%)
- Magenta (71%)
- Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 25.517, 303.290 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 34, 25.517, 303.290 by changing the saturation by 10% instead.


 34, 25.517,
303.290


 34, 25.517,
303.290


 100, 25.517,
303.290


 24, 25.517,
303.290

 54, 25.517,
303.290


 14, 25.517,
303.290


 64, 25.517,
303.290

 4, 25.517, 303.290

 74, 25.517,
303.290

 0, 25.517, 303.290

 84, 25.517,
303.290

 94, 25.517,
303.290

■ 34, 25.517,
303.290

■ 34, 25.517,
303.290

■ 30, 33.290,
304.168

■ 38, 17.951,
302.490

■ 26, 41.199,
305.106

■ 42, 10.625,
301.776

■ 23, 49.083,
306.060

■ 46, 3.545, 301.140

■ 19, 56.641,
306.948

■ 50, 3.294, 120.603

■ 54, 9.902, 120.116

■ 16, 63.366,
307.646

■ 58, 16.291,
119.696

■ 14, 68.796,
308.070

■ 62, 22.473,
119.332

■ 13, 71.542,
308.398

■ 65, 28.461,
119.017

■ 69, 34.267,
118.745

Harmonies

Complementary

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



34, 25.517, 303.290



46, 23.787, 118.843

Rectangle

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



34, 25.517, 303.290



34, 25.517, 353.290



34, 25.517, 123.290



34, 25.517, 173.290

Sweetspot

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



34, 25.516, 303.290



56, 9.512, 301.523



42, 12.249, 230.333



28, 6.361, 301.587



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



34, 25.516, 303.290



41, 38.284, 303.983



36, 27.452, 319.251



21, 3.863, 301.377



14, 74.280, 308.347



34, 127.688, 307.863

Inverse Universe

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



37, 24.047, 335.654



45, 35.416, 336.261



45, 26.961, 136.078



22, 3.781, 333.822



26, 54.060, 342.367



55, 91.391, 343.428

Previews

White Background



This preview shows how the CIELCh color 34, 25.517, 303.290 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 34, 25.517, 303.290 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

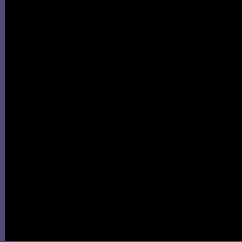
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 25.517, 303.290

Background



This preview shows how black text looks on a background with the CIELCh color 34, 25.517, 303.290.



This preview shows how white text looks on a background with the CIELCh color 34, 25.517, 303.290.

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


34, 25.517, 303.290

Protanopia

34, 24.593, 284.765

Deuteranopia

34, 21.510, 283.488



Tritanopia
34, 3.762, 290.828

Trichromacy



Original Color
34, 25.517, 303.290

Protanomaly
34, 24.471, 290.969

Deuteranomaly
34, 22.600, 291.234

Tritanomaly
34, 11.446, 300.112

Monochromacy



Original Color
34, 25.517, 303.290

Achromatopsia
35, 0.005, 296.813

Achromatomaly
34, 9.570, 301.510

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 25.517, 303.290 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, 74, 114)` looks like.

```
.text, #text, p{  
    color:rgb(85, 74, 114)  
}
```

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, 74, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 74, 114) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 25.517, 303.290 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, 74, 114) }
```

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

```
.border{ border-color:rgb(85, 74, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 74, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 74, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 74, 114);  
box-shadow:4px 4px 4px 4px rgb(85, 74,  
114) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 25.517, 303.290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 74, 114) }
```

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

```
.background{ background-color: rgb(85, 74,  
114) }
```

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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