

Converting Colors

CIELCh(34, 25.091, 291.642)

Have a look what the booklet for
CIELCh(34, 25.091, 291.642)
contains.

CIELCh(34, 25.090, 291.160)	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(34, 25.090, 291.160)

Conversions

Conversions Part 1

Format	Color
Hex	494D75
RGB	73, 77, 117
RGB Percent	29%, 30%, 46%
CMY	0.7137, 0.6980, 0.5412
CMYK	0.38, 0.34, 0.00, 0.54
HSL	235°, 23%, 37%
HSV	235°, 38%, 46%
XYZ	8.6121, 8.0082, 17.9211
YIQ	80.3640, -15.2240, 11.5920

Conversions

Conversions Part 2

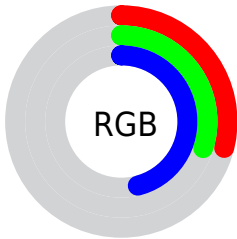
Format	Color
R_{YB}	73, 77, 117
Decimal	4803957
CIE Lab	34.00, 9.06, -23.40
CIE LCh	34, 25.090, 291.160
Yxy	8.0082, 0.2493, 0.2318
Android (android.graphics.Color)	4282994037 (0xFF494D75)
YUV	80.3640, 18.0615, -6.4582
Hunter-Lab	28.2988, 4.7993, -17.7380

Details

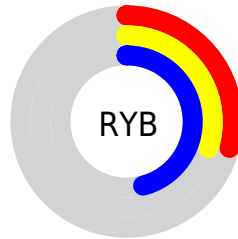
The CIELCh color **34, 25.090, 291.160** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **47, 23.333, 102.462**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **54, 24.812, 290.777**, and **14, 24.897, 290.960** is the 20% darker color. If you saturate the color by 10%, you get **30, 32.370, 292.998**, and if you desaturate by 10%, it is **38, 18.081, 289.569**.

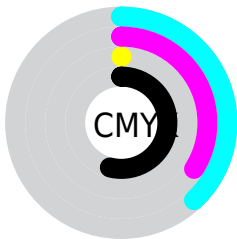
Distribution



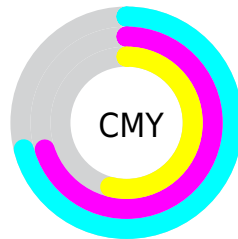
- Red (29%)
- Green (30%)
- Blue (46%)



- Red (29%)
- Yellow (30%)
- Blue (46%)



- Cyan (38%)
- Magenta (34%)
- Yellow (0%)
- Black (54%)





- Cyan (71%)
- Magenta (70%)
- Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 25.090, 291.160 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, 25.090, 291.160 by changing the saturation by 10% instead.


 34, 25.090,
291.160


 34, 25.090,
291.160

 100, 25.090,
291.160


 24, 25.090,
291.160

 54, 25.090,
291.160


 14, 25.090,
291.160


 64, 25.090,
291.160

 4, 25.090, 291.160

 74, 25.090,
291.160

 0, 25.090, 291.160

 84, 25.090,
291.160

 94, 25.090,
291.160

■ 34, 25.090,
291.160

■ 34, 25.090,
291.160

■ 30, 32.370,
292.998

■ 38, 18.081,
289.569

■ 26, 39.919,
295.087

■ 42, 11.328,
288.203

■ 22, 47.680,
297.393

■ 46, 4.814, 287.036

■ 19, 55.468,
299.815

■ 50, 1.481, 105.966

■ 54, 7.572, 105.134

■ 16, 62.856,
302.164

■ 58, 13.472,
104.385

■ 13, 69.148,
304.094

■ 62, 19.192,
103.731

■ 13, 70.425,
304.429

■ 66, 24.744,
103.159

■ 70, 30.136,
102.657

Harmonies

Complementary

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



34, 25.090, 291.160



47, 23.333, 102.462

Rectangle

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



34, 25.090, 291.160



34, 25.090, 341.160



34, 25.090, 111.160



34, 25.090, 161.160

Sweetspot

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



34, 25.089, 291.160



58, 8.723, 287.443



46, 16.429, 188.366



29, 5.836, 287.560



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



34, 25.089, 291.160



41, 38.011, 292.717



35, 28.379, 307.584



22, 3.577, 287.191



14, 72.964, 304.518



33, 127.523, 305.379

Inverse Universe

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



36, 20.095, 15.801



44, 30.578, 17.229



47, 26.647, 123.686



23, 2.767, 12.510



24, 56.578, 34.284



52, 99.120, 37.080

Previews

White Background



This preview shows how the CIELCh color 34, 25.090, 291.160 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, 25.090, 291.160 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

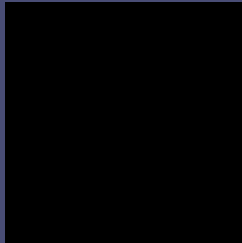
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 25.090, 291.160

Background



This preview shows how black text looks on a background with the CIELCh color 34, 25.090, 291.160.

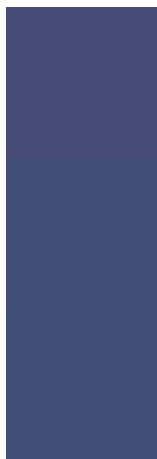


This preview shows how white text looks on a background with the CIELCh color 34, 25.090, 291.160.

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

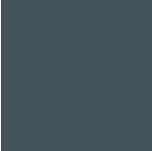
34, 25.090, 291.160

Protanopia

34, 24.593, 284.765

Deuteranopia

34, 24.077, 282.889



Tritanopia
34, 7.590, 228.475

Trichromacy



Original Color
34, 25.090, 291.160

Protanomaly
34, 25.146, 287.362

Deuteranomaly
34, 24.566, 286.303

Tritanomaly
34, 12.009, 269.849

Monochromacy



Original Color
34, 25.090, 291.160

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 8.810, 286.463

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 25.090, 291.160 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(73, 77, 117)` looks like.

```
.text, #text, p{  
    color:rgb(73, 77, 117)  
}
```

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(73, 77, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 77, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 25.090, 291.160 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(73, 77, 117) }
```

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

```
.border{ border-color:rgb(73, 77, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 77, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 77, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 77, 117);  
box-shadow:4px 4px 4px 4px rgb(73, 77,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 25.090, 291.160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 77, 117) }
```

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

```
.background{ background-color: rgb(73, 77,  
117) }
```

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