

Converting Colors

CIELCh(34, 41.626, 286.871)

Have a look what the booklet for
CIELCh(34, 41.626, 286.871)
contains.

CIELCh(34, 41.478, 286.983)	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, 41.478, 286.983)

Conversions

Conversions Part 1

Format	Color
Hex	324D8F
RGB	50, 77, 143
RGB Percent	20%, 30%, 56%
CMY	0.8030, 0.6973, 0.4384
CMYK	0.65, 0.46, 0.00, 0.44
HSL	223°, 48%, 38%
HSV	223°, 65%, 56%
XYZ	8.9687, 8.0082, 27.1456
YIQ	76.4510, -37.2780, 14.8020

Conversions

Conversions Part 2

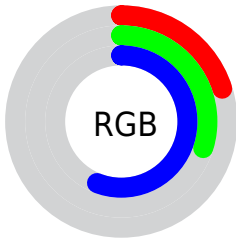
Format	Color
R _{YB}	50, 71, 143
Decimal	3296655
CIE _{Lab}	34.00, 12.12, -39.67
CIE _{LCh}	34, 41.478, 286.983
Yxy	8.0082, 0.2033, 0.1815
Android (android.graphics.Color)	4281486735 (0xFF324D8F)
YUV	76.4510, 32.8087, -23.1975
Hunter-Lab	28.2988, 7.0491, -37.0648

Details

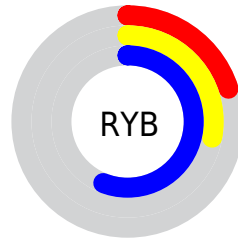
The CIELCh color **34, 41.478, 286.983** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **50, 39.601, 86.135**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **54, 41.055, 286.738**, and **15, 40.644, 291.599** is the 20% darker color. If you saturate the color by 10%, you get **30, 48.514, 290.044**, and if you desaturate by 10%, it is **38, 34.644, 284.232**.

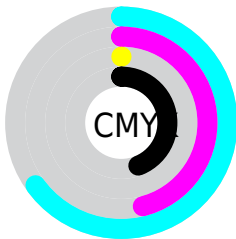
Distribution



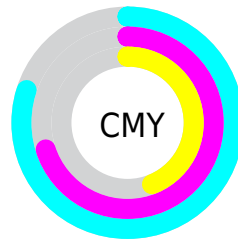
- Red (20%)
- Green (30%)
- Blue (56%)



- Red (20%)
- Yellow (28%)
- Blue (56%)



- Cyan (65%)
- Magenta (46%)
- Yellow (0%)
- Black (44%)





- Cyan (80%)
- Magenta (70%)
- Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 41.478, 286.983 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, 41.478, 286.983 by changing the saturation by 10% instead.


 34, 41.478,
286.983


 34, 41.478,
286.983

 100, 41.478,
286.983


 24, 41.478,
286.983

 54, 41.478,
286.983


 14, 41.478,
286.983


 64, 41.478,
286.983

 4, 41.478, 286.983

 74, 41.478,
286.983

 0, 41.478, 286.983

 84, 41.478,
286.983

 94, 41.478,
286.983

■ 34, 41.478,
286.983

■ 34, 41.478,
286.983

■ 30, 48.514,
290.044

■ 38, 34.644,
284.232

■ 27, 55.719,
293.321

■ 42, 28.001,
281.816

■ 24, 62.956,
296.637

■ 46, 21.527,
279.724

■ 22, 66.587,
298.151

■ 50, 15.201,
277.926

■ 54, 9.010, 276.386

■ 58, 2.945, 275.091

■ 62, 3.000, 93.827

■ 65, 8.828, 92.862

■ 69, 14.540, 91.994

Harmonies

Complementary

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



34, 41.478, 286.983



50, 39.601, 86.135

Rectangle

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



34, 41.478, 286.983



34, 41.478, 336.983



34, 41.478, 106.983



34, 41.478, 156.983

Sweetspot

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



34, 41.478, 286.984



66, 14.277, 277.046



54, 34.961, 168.657



34, 9.929, 277.449



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



34, 41.478, 286.984



38, 62.957, 291.573



28, 59.231, 304.391



28, 3.384, 275.608



21, 63.489, 297.965



1, 2.268, 274.452

Inverse Universe

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



35, 41.921, 6.624



42, 60.039, 11.447



56, 49.995, 114.055



28, 3.487, 357.450



28, 54.511, 20.409



0, 2.313, 356.666

Previews

White Background



This preview shows how the CIELCh color 34, 41.478, 286.983 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, 41.478, 286.983 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

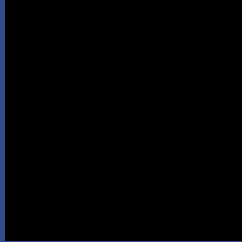
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 41.478, 286.983

Background



This preview shows how black text looks on a background with the CIELCh color 34, 41.478, 286.983.



This preview shows how white text looks on a background with the CIELCh color 34, 41.478, 286.983.

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, 41.478, 286.983

Protanopia

34, 41.491, 286.020

Deuteranopia

34, 39.384, 276.916



Tritanopia
34, 20.331, 209.526

Trichromacy



Original Color
34, 41.478, 286.983

Protanomaly
34, 41.461, 286.296

Deuteranomaly
34, 39.662, 279.531

Tritanomaly
34, 22.831, 251.766

Monochromacy



Original Color
34, 41.478, 286.983

Achromatopsia
33, 0.005, 296.813

Achromatomaly
33, 15.457, 278.953

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 41.478, 286.983 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(50, 77, 143)` looks like.

```
.text, #text, p{  
    color:rgb(50, 77, 143)  
}
```

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(50, 77, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 77, 143) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 41.478, 286.983 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(50, 77, 143) }
```

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

```
.border{ border-color:rgb(50, 77, 143) }
```

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

Here you see how a box with a 4 pixel rgb(50, 77, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 77, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 77, 143);  
box-shadow:4px 4px 4px 4px rgb(50, 77,  
143) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 41.478, 286.983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 77, 143) }
```

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

```
.background{ background-color: rgb(50, 77,  
143) }
```

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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