

Converting Colors

CIELCh(34, 45.242, 302.531)

Have a look what the booklet for
CIELCh(34, 45.242, 302.531)
contains.

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Color

CIELCh(34, 45.242, 302.531)

Conversions

Conversions Part 1

Format	Color
Hex	53458D
RGB	83, 69, 141
RGB Percent	33%, 27%, 55%
CMY	0.6747, 0.7296, 0.4473
CMYK	0.41, 0.51, 0.00, 0.45
HSL	252°, 34%, 41%
HSV	252°, 51%, 55%
XYZ	10.4913, 8.0082, 26.1705
YIQ	81.3940, -14.7680, 25.3600

Conversions

Conversions Part 2

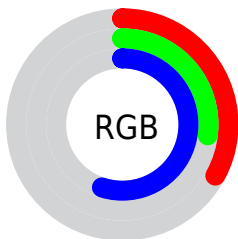
Format	Color
R_{YB}	83, 69, 141
Decimal	5457293
CIE _{Lab}	34.00, 24.33, -38.14
CIE _{LCh}	34, 45.242, 302.531
Yxy	8.0082, 0.2349, 0.1793
Android (android.graphics.Color)	4283647373 (0xFF53458D)
YUV	81.3940, 29.3858, 1.4085
Hunter-Lab	28.2988, 16.6527, -35.0218

Details

The CIELCh color $[34, 45.242, 302.531]$ is a dark color, and the websafe version is hex $\#333366$. A complement of this color would be $[56, 39.964, 114.447]$, and the grayscale version is $[34, 0.005, 296.813]$.

A 20% lighter version of the original color is $[54, 44.867, 302.533]$, and $[14, 45.311, 302.678]$ is the 20% darker color. If you saturate the color by 10%, you get $[29, 54.818, 303.771]$, and if you desaturate by 10%, it is $[39, 35.785, 301.367]$.

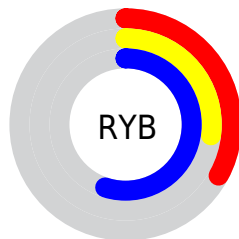
Distribution



Red (33%)

Green (27%)

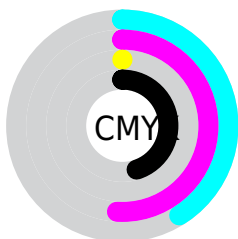
Blue (55%)



Red (33%)

Yellow (27%)

Blue (55%)

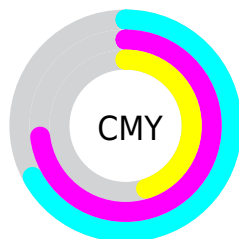


Cyan (41%)

Magenta (51%)

Yellow (0%)

Black (45%)



Cyan (67%)


Magenta (73%)


Yellow (45%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 45.242, 302.531 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, 45.242, 302.531 by changing the saturation by 10% instead.


 34, 45.242,
302.531


 34, 45.242,
302.531

 100, 45.242,
302.531


 24, 45.242,
302.531

 54, 45.242,
302.531


 14, 45.242,
302.531


 64, 45.242,
302.531

 4, 45.242, 302.531

 74, 45.242,
302.531

 0, 45.242, 302.531

 84, 45.242,
302.531

 94, 45.242,
302.531

■ 34, 45.242,
302.531

■ 34, 45.242,
302.531

■ 29, 54.818,
303.771

■ 39, 35.785,
301.367

■ 25, 64.207,
305.007

■ 44, 26.587,
300.312

■ 21, 72.823,
306.100

■ 48, 17.699,
299.377

■ 18, 79.754,
306.851

■ 53, 9.133, 298.559

■ 58, 0.880, 297.841

■ 16, 84.653,
307.360

■ 63, 7.075, 117.235

■ 68, 14.750,
116.704

■ 72, 22.161,
116.246

■ 77, 29.327,
115.851

Harmonies

Complementary

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



34, 45.242, 302.531



56, 39.964, 114.447

Rectangle

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



34, 45.242, 302.531



34, 45.242, 352.531



34, 45.242, 122.531



34, 45.242, 172.531

Sweetspot

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



34, 45.241, 302.531



66, 15.462, 298.892



50, 20.156, 220.400



33, 10.548, 299.044



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



34, 45.241, 302.531



39, 68.015, 303.925



38, 46.733, 317.279



28, 4.689, 298.417



15, 82.078, 307.388



0, 3.118, 297.777

Inverse Universe

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



40, 43.086, 333.607



49, 61.864, 334.404



54, 44.960, 132.731



28, 4.900, 330.854



30, 62.228, 337.524



1, 3.289, 330.331

Previews

White Background



This preview shows how the CIELCh color 34, 45.242, 302.531 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, 45.242, 302.531 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

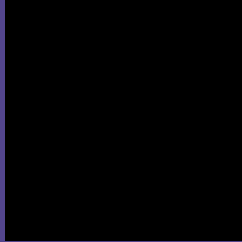
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 45.242, 302.531

Background



This preview shows how black text looks on a background with the CIELCh color 34, 45.242, 302.531.



This preview shows how white text looks on a background with the CIELCh color 34, 45.242, 302.531.

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

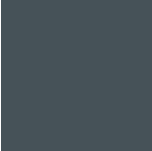
34, 45.242, 302.531

Protanopia

34, 45.197, 286.348

Deuteranopia

34, 36.675, 277.615



Tritanopia
34, 6.036, 237.605

Trichromacy



Original Color
34, 45.242, 302.531

Protanomaly
34, 44.998, 291.203

Deuteranomaly
34, 39.034, 286.425

Tritanomaly
34, 18.858, 291.109

Monochromacy



Original Color
34, 45.242, 302.531

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 16.484, 299.603

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 45.242, 302.531 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(83, 69, 141)` looks like.

```
.text, #text, p{  
    color:rgb(83, 69, 141)  
}
```

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(83, 69, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 69, 141) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 45.242, 302.531 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(83, 69, 141) }
```

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

```
.border{ border-color:rgb(83, 69, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 69, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 69, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 69, 141);  
box-shadow:4px 4px 4px 4px rgb(83, 69,  
141) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 45.242, 302.531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 69, 141) }
```

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

```
.background{ background-color: rgb(83, 69,  
141) }
```

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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