

Converting Colors

CIELCh(34, 45.056, 307.896)

Have a look what the booklet for
CIELCh(34, 45.056, 307.896)
contains.

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Color

CIELCh(34, 45.154, 307.982)

Conversions

Conversions Part 1

Format	Color
Hex	5D4289
RGB	93, 66, 137
RGB Percent	36%, 26%, 54%
CMY	0.6357, 0.7416, 0.4632
CMYK	0.32, 0.52, 0.00, 0.46
HSL	263°, 35%, 40%
HSV	263°, 52%, 54%
XYZ	10.9518, 8.0082, 24.5915
YIQ	82.1670, -6.6990, 27.8050

Conversions

Conversions Part 2

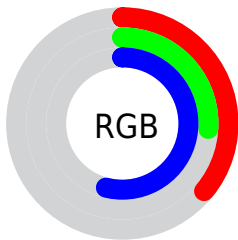
Format	Color
R_{YB}	93, 66, 137
Decimal	6111881
CIE _{Lab}	34.00, 27.79, -35.59
CIE _{LCh}	34, 45.154, 307.982
Yxy	8.0082, 0.2515, 0.1839
Android (android.graphics.Color)	4284301961 (0xFF5D4289)
YUV	82.1670, 27.0327, 9.5005
Hunter-Lab	28.2988, 19.5575, -31.7135

Details

The CIELCh color $[34, 45.154, 307.982]$ is a dark color, and the websafe version is hex `663366`. A complement of this color would be $[54, 40.973, 122.253]$, and the grayscale version is $[35, 0.005, 296.813]$.

A 20% lighter version of the original color is $[54, 45.066, 308.090]$, and $[14, 45.096, 308.247]$ is the 20% darker color. If you saturate the color by 10%, you get $[30, 54.142, 308.675]$, and if you desaturate by 10%, it is $[38, 36.073, 307.274]$.

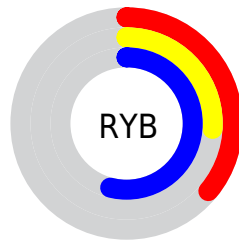
Distribution



Red (36%)

Green (26%)

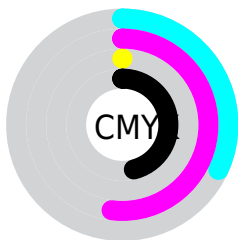
Blue (54%)



Red (36%)

Yellow (26%)

Blue (54%)

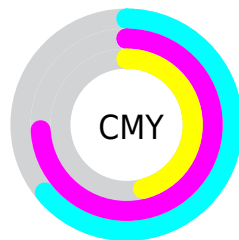


Cyan (32%)

Magenta (52%)

Yellow (0%)

Black (46%)



Cyan (64%)

Magenta (74%)

Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 45.154, 307.982 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, 45.154, 307.982 by changing the saturation by 10% instead.

■ 34, 45.154,
307.982

■ 34, 45.154,
307.982

■ 100, 45.154,
307.982

■ 24, 45.154,
307.982

■ 54, 45.154,
307.982

■ 14, 45.154,
307.982

■ 64, 45.154,
307.982

■ 4, 45.154, 307.982

■ 74, 45.154,
307.982

■ 0, 45.154, 307.982

■ 84, 45.154,
307.982

■ 94, 45.154,
307.982

34, 45.154,
307.982

34, 45.154,
307.982

30, 54.142,
308.675

38, 36.073,
307.274

26, 62.704,
309.283

43, 27.093,
306.592

23, 70.314,
309.700

47, 18.314,
305.957

20, 76.277,
309.790

52, 9.782, 305.378

18, 80.327,
309.781

56, 1.515, 304.831

61, 6.486, 124.422

65, 14.227,
124.017

70, 21.719,
123.666

■ 74, 28.975,
123.362

Harmonies

Complementary

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



34, 45.154, 307.982



54, 40.973, 122.253

Rectangle

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



34, 45.154, 307.982



34, 45.154, 357.982



34, 45.154, 127.982



34, 45.154, 177.982

Sweetspot

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



34, 45.153, 307.982



64, 16.507, 305.631



45, 20.582, 247.913



32, 11.132, 305.733



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



34, 45.153, 307.982



39, 67.410, 308.775



38, 47.490, 322.989



27, 4.658, 305.232



17, 78.469, 309.813



0, 2.133, 304.778

Inverse Universe

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



38, 37.801, 342.191



46, 54.437, 343.589



52, 47.036, 137.505



27, 4.164, 338.336



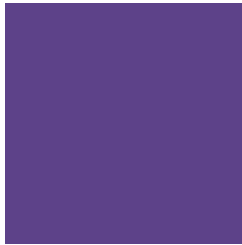
28, 54.554, 350.360



0, 1.917, 337.719

Previews

White Background



This preview shows how the CIELCh color 34, 45.154, 307.982 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, 45.154, 307.982 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

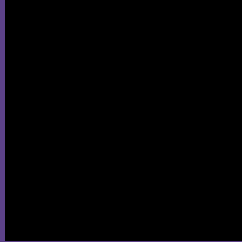
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 45.154, 307.982

Background



This preview shows how black text looks on a background with the CIELCh color 34, 45.154, 307.982.



This preview shows how white text looks on a background with the CIELCh color 34, 45.154, 307.982.

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, 45.154, 307.982

Protanopia

34, 44.583, 286.274

Deuteranopia

34, 33.973, 278.430



Tritanopia
34, 4.149, 314.913

Trichromacy



Original Color
34, 45.154, 307.982

Protanomaly
34, 44.381, 292.610

Deuteranomaly
34, 36.992, 289.751

Tritanomaly
34, 19.609, 308.137

Monochromacy



Original Color
34, 45.154, 307.982

Achromatopsia
35, 0.005, 296.813

Achromatomaly
34, 16.856, 306.282

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 45.154, 307.982 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(93, 66, 137)` looks like.

```
.text, #text, p{  
    color:rgb(93, 66, 137)  
}
```

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(93, 66, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 66, 137) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 45.154, 307.982 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(93, 66, 137) }
```

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

```
.border{ border-color:rgb(93, 66, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 66, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 66, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 66, 137);  
box-shadow:4px 4px 4px 4px rgb(93, 66,  
137) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 45.154, 307.982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 66, 137) }
```

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

```
.background{ background-color: rgb(93, 66,  
137) }
```

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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