

# Converting Colors

CIELCh(34, 23.790, 352.742)

Have a look what the booklet for  
CIELCh(34, 23.790, 352.742)  
contains.

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**Color**

**CIELCh(34, 23.906, 352.847)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	714155
RGB	113, 65, 85
RGB Percent	44%, 25%, 33%
CMY	0.5556, 0.7439, 0.6655
CMYK	0.00, 0.42, 0.25, 0.56
HSL	335°, 27%, 35%
HSV	335°, 42%, 44%
XYZ	10.4115, 8.0082, 9.6544
YIQ	81.6320, 22.1880, 16.3960

# Conversions

## Conversions Part 2

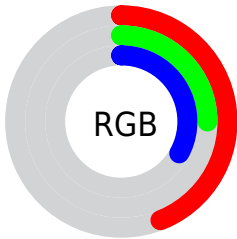
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	113, 65, 85
Decimal	7422293
CIE Lab	34.00, 23.72, -2.98
CIE LCh	34, 23.906, 352.847
Yxy	8.0082, 0.3709, 0.2853
Android (android.graphics.Color)	4285612373 (0xFF714155)
YUV	81.6320, 1.6604, 27.5097
Hunter-Lab	28.2988, 16.1498, -0.4182




# Details

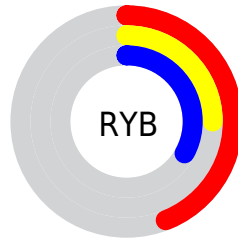
The CIELCh color  $34, 23.906, 352.847$  is a dark color, and the websafe version is hex  $663333$ . A complement of this color would be  $44, 22.221, 164.288$ , and the grayscale version is  $35, 0.005, 296.813$ .




A 20% lighter version of the original color is  $54, 23.930, 352.370$ , and  $14, 23.600, 352.910$  is the 20% darker color. If you saturate the color by 10%, you get  $31, 29.392, 354.373$ , and if you desaturate by 10%, it is  $37, 18.212, 351.556$ .

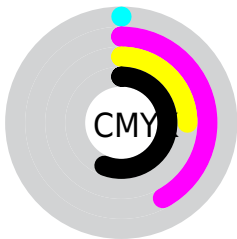
# Distribution







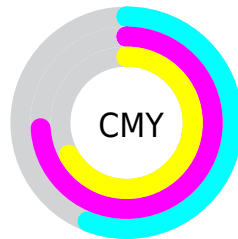
-  Red (44%)
-  Green (25%)
-  Blue (33%)






-  Red (44%)
-  Yellow (25%)
-  Blue (33%)



-  Cyan (0%)
-  Magenta (42%)
-  Yellow (25%)
-  Black (56%)



-  Cyan (56%)
-  Magenta (74%)
-  Yellow (67%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 23.906, 352.847 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, 23.906, 352.847 by changing the saturation by 10% instead.




 34, 23.906,  
352.847

 34, 23.906,  
352.847

 100, 23.906,  
352.847


 24, 23.906,  
352.847

 54, 23.906,  
352.847

 14, 23.906,  
352.847


 64, 23.906,  
352.847

 4, 23.906, 352.847

 74, 23.906,  
352.847

 0, 23.906, 352.847

 84, 23.906,  
352.847

 94, 23.906,  
352.847

34, 23.906,  
352.847

34, 23.906,  
352.847

31, 29.392,  
354.373

37, 18.212,  
351.556

29, 34.457,  
356.211

40, 12.480,  
350.436

26, 38.843,  
358.474

44, 6.818, 349.439

25, 42.309, 1.303

47, 1.293, 348.387

24, 44.725, 4.843

50, 4.058, 167.894

23, 46.421, 7.654

54, 9.217, 167.140

57, 14.183,  
166.475

61, 18.962,  
165.868

64, 23.562,



# Harmonies

# Complementary

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



34, 23.906, 352.847



44, 22.221, 164.288

# Rectangle

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



34, 23.906, 352.847



34, 23.906, 42.847



34, 23.906, 172.847



34, 23.906, 222.847

# Sweetspot

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



34, 23.904, 352.849



56, 8.918, 349.531



33, 32.008, 313.748



28, 6.215, 349.703



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, 23.904, 352.849



41, 35.599, 354.368



34, 21.139, 29.387



22, 3.058, 349.117



24, 48.320, 7.982



53, 82.794, 11.102



# Inverse Universe

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



34, 23.904, 352.849



41, 35.599, 354.368



43, 15.696, 206.577



22, 3.058, 349.117



24, 48.320, 7.982

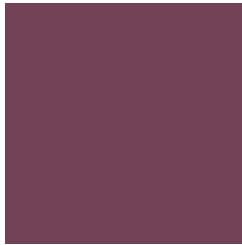


53, 82.794, 11.102



# Previews

## White Background



This preview shows how the CIE LCh color 34, 23.906, 352.847 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, 23.906, 352.847 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

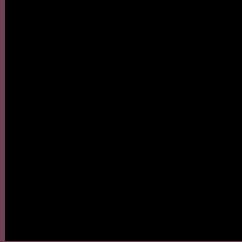
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**CIELCh 34, 23.906, 352.847**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 34, 23.906, 352.847.

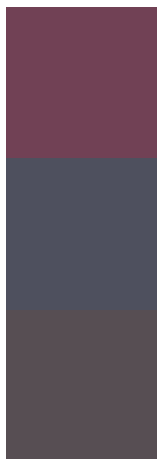


This preview shows how white text looks on a background with the CIELCh color 34, 23.906, 352.847.

# 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, 23.906, 352.847

### Protanopia

34, 8.791, 286.443

### Deuteranopia

34, 5.005, 341.484





**Tritanopia**  
34, 20.311, 14.296

# Trichromacy



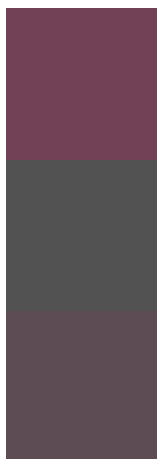
**Original Color**  
34, 23.906, 352.847

**Protanomaly**  
34, 12.100, 325.319

**Deuteranomaly**  
34, 12.461, 348.100

**Tritanomaly**  
34, 20.994, 6.200

# Monochromacy



**Original Color**  
34, 23.906, 352.847

**Achromatopsia**  
35, 0.005, 296.813

**Achromatomaly**  
34, 8.593, 350.262

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 34, 23.906, 352.847 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(113, 65, 85)` looks like.

```
.text, #text, p{  
    color:rgb(113, 65, 85)  
}
```

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(113, 65, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 65, 85) }
```

## Border

The CSS property to change the border of an element to CIELCh 34, 23.906, 352.847 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(113, 65, 85) }
```

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

```
.border{ border-color:rgb(113, 65, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 65, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 65, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 65, 85);  
box-shadow:4px 4px 4px 4px rgb(113, 65,  
85) }
```

# Background

The CSS property to change the background color of an element to CIELCh 34, 23.906, 352.847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 65, 85) }
```

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

```
.background{ background-color: rgb(113, 65,  
85) }
```

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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