

# Converting Colors

CIELCh(45, 34.421, 13.239)

Have a look what the booklet for  
CIELCh(45, 34.421, 13.239) contains.

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**Color**

**CIELCh(45, 34.368, 13.181)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A1535F
RGB	161, 83, 95
RGB Percent	63%, 33%, 37%
CMY	0.3694, 0.6751, 0.6281
CMYK	0.00, 0.48, 0.41, 0.37
HSL	351°, 32%, 48%
HSV	351°, 48%, 63%
XYZ	19.7986, 14.5417, 12.5512
YIQ	107.6900, 42.6360, 20.2680

# Conversions

## Conversions Part 2

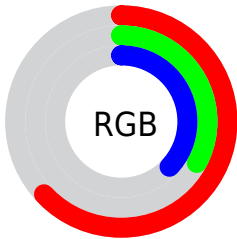
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	161, 83, 95
Decimal	10572639
CIE <sub>Lab</sub>	45.00, 33.46, 7.84
CIE <sub>LCh</sub>	45, 34.368, 13.181
Yxy	14.5417, 0.4222, 0.3101
Android (android.graphics.Color)	4288762719 (0xFFA1535F)
YUV	107.6900, -6.2562, 46.7529
Hunter-Lab	38.1336, 25.9418, 7.1790

# Details

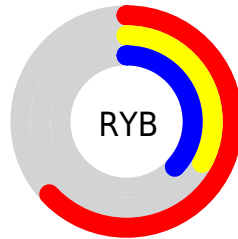
The CIELCh color **45, 34.368, 13.181** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **61, 27.095, 182.490**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 34.426, 13.208**, and **25, 34.278, 13.256** is the 20% darker color. If you saturate the color by 10%, you get **41, 41.860, 15.541**, and if you desaturate by 10%, it is **49, 26.810, 11.310**.

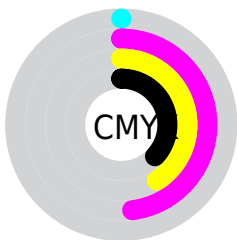
# Distribution



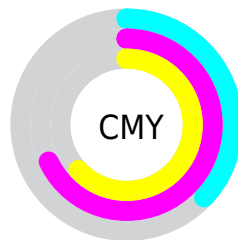
- Red (63%)
- Green (33%)
- Blue (37%)



- Red (63%)
- Yellow (33%)
- Blue (37%)



- Cyan (0%)
- Magenta (48%)
- Yellow (41%)
- Black (37%)



- Cyan (37%)
- Magenta (68%)
- Yellow (63%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 34.368, 13.181 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 45, 34.368, 13.181 by changing the saturation by 10% instead.



 45, 34.368, 13.181

 45, 34.368, 13.181

 100, 34.368,  
13.181

 35, 34.368, 13.181

 65, 34.368, 13.181

 25, 34.368, 13.181

 75, 34.368, 13.181

 15, 34.368, 13.181

 85, 34.368, 13.181

 5, 34.368, 13.181

 95, 34.368, 13.181

 0, 34.368, 13.181

 45, 34.368, 13.181

 45, 34.368, 13.181

 41, 41.860, 15.541

 49, 26.810, 11.310

 38, 49.035, 18.517

 53, 19.398, 9.800

36, 55.636, 22.231

58, 12.261, 8.558

34, 61.496, 26.687

62, 5.472, 7.492

33, 66.689, 31.468

67, 0.943, 187.181

33, 67.478, 32.111

72, 6.986, 186.032

76, 12.677,  
185.358

81, 18.043,  
184.780

86, 23.114,  
184.269

# Harmonies

# Complementary

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



45, 34.368, 13.181



61, 27.095, 182.490

# Rectangle

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



45, 34.368, 13.181



45, 34.368, 63.181



45, 34.368, 193.181



45, 34.368, 243.181

# Sweetspot

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



45, 34.366, 13.184



75, 12.210, 8.203



46, 50.568, 321.871



38, 8.359, 8.419



92, 0.011, 296.813



44, 0.006, 296.813



# Same Dimension

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



45, 34.366, 13.184



54, 51.422, 15.702



51, 28.847, 52.448



32, 3.699, 7.573



30, 62.366, 31.629



1, 5.589, 7.973





# Inverse Universe

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



45, 34.366, 13.184



54, 51.422, 15.702



54, 21.672, 242.458



32, 3.699, 7.573



30, 62.366, 31.629

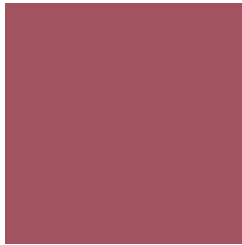


1, 5.589, 7.973



# Previews

## White Background



This preview shows how the CIELCh color 45, 34.368, 13.181 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 × Fail

# Black Background



This preview shows how the CIE LCh color 45, 34.368, 13.181 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 45, 34.368, 13.181

## Background



This preview shows how black text looks on a background with the CIELCh color 45, 34.368, 13.181.



This preview shows how white text looks on a background with the CIELCh color 45, 34.368, 13.181.

# 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

45, 34.368, 13.181

### Protanopia

45, 1.726, 335.716

### Deuteranopia

45, 11.415, 58.532



**Tritanopia**  
45, 33.737, 18.648



# Trichromacy



**Original Color**  
45, 34.368, 13.181

**Protanomaly**  
45, 13.087, 8.108

**Deuteranomaly**  
45, 18.433, 29.033

**Tritanomaly**  
45, 33.604, 16.668

# Monochromacy



**Original Color**  
45, 34.368, 13.181

**Achromatopsia**  
46, 0.006, 296.813

**Achromatomaly**  
45, 12.133, 9.772

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 45, 34.368, 13.181 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(161, 83, 95)` looks like.

```
.text, #text, p{  
    color:rgb(161, 83, 95)  
}
```

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(161, 83, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 83, 95) }
```

## Border

The CSS property to change the border of an element to CIELCh 45, 34.368, 13.181 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(161, 83, 95) }
```

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

```
.border{ border-color:rgb(161, 83, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 83, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 83, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 83, 95);  
box-shadow:4px 4px 4px 4px rgb(161, 83,  
95) }
```

# Background

The CSS property to change the background color of an element to CIELCh 45, 34.368, 13.181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 83, 95) }
```

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

```
.background{ background-color: rgb(161, 83,  
95) }
```

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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