

# Converting Colors

CIELCh(41, 17.571, 290.406)

Have a look what the booklet for  
CIELCh(41, 17.571, 290.406)  
contains.

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# Color

**CIELCh(41, 17.607, 290.379)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	5D5F7C
RGB	93, 95, 124
RGB Percent	36%, 37%, 49%
CMY	0.6369, 0.6290, 0.5154
CMYK	0.25, 0.23, 0.00, 0.52
HSL	236°, 14%, 42%
HSV	236°, 25%, 48%
XYZ	12.1424, 11.8645, 20.5816
YIQ	97.7080, -10.5010, 8.5950

# Conversions

## Conversions Part 2

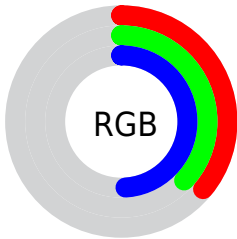
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	93, 95, 124
Decimal	6119292
CIE Lab	41.00, 6.13, -16.50
CIE LCh	41, 17.607, 290.379
Yxy	11.8645, 0.2723, 0.2661
Android (android.graphics.Color)	4284309372 (0xFF5D5F7C)
YUV	97.7080, 12.9620, -4.1289
Hunter-Lab	34.4449, 2.6454, -11.3155

# Details

The CIELCh color **41, 17.607, 290.379** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **51, 16.769, 104.992**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **61, 18.029, 291.039**, and **21, 17.571, 290.406** is the 20% darker color. If you saturate the color by 10%, you get **37, 25.103, 291.897**, and if you desaturate by 10%, it is **45, 10.392, 289.077**.

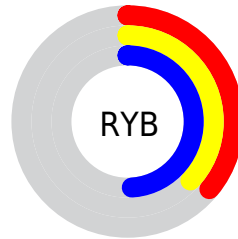
# Distribution



Red (36%)

Green (37%)

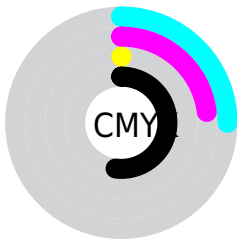
Blue (49%)



Red (36%)

Yellow (37%)

Blue (49%)

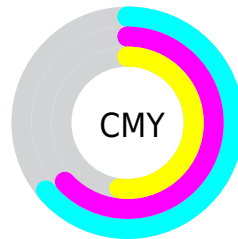


Cyan (25%)

Magenta (23%)

Yellow (0%)

Black (52%)



Cyan (64%)

Magenta (63%)


Yellow (52%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 17.607, 290.379 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 41, 17.607, 290.379 by changing the saturation by 10% instead.





 41, 17.607,  
290.379


 41, 17.607,  
290.379


 100, 17.607,  
290.379


 31, 17.607,  
290.379

 61, 17.607,  
290.379


 21, 17.607,  
290.379

 71, 17.607,  
290.379


 11, 17.607,  
290.379


 81, 17.607,  
290.379

 1, 17.607, 290.379

 91, 17.607,  
290.379

 0, 17.607, 290.379

 41, 17.607,

 41, 17.607,

290.379

290.379

■ 37, 25.103,  
291.897

■ 45, 10.392,  
289.077

■ 32, 32.898,  
293.657

■ 50, 3.439, 287.973

■ 28, 40.989,  
295.663

■ 54, 3.271, 106.977

■ 58, 9.757, 106.167

■ 24, 49.313,  
297.886

■ 62, 16.032,  
105.458

■ 20, 57.667,  
300.227

■ 67, 22.111,  
104.841

■ 17, 65.575,  
302.494

■ 71, 28.005,  
104.303

■ 14, 72.212,  
304.391

■ 75, 33.724,  
103.831

■ 13, 74.830,  
305.039

■ 79, 39.279,



# Harmonies

# Complementary

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



41, 17.607, 290.379



51, 16.769, 104.992

# Rectangle

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



41, 17.607, 290.379



41, 17.607, 340.379



41, 17.607, 110.379



41, 17.607, 160.379

# Sweetspot

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



41, 17.606, 290.378



62, 6.756, 288.296



50, 11.759, 192.223



32, 4.849, 288.437



84, 0.010, 296.813



35, 0.005, 296.813





# Same Dimension

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



41, 17.606, 290.378



50, 26.391, 291.208



42, 19.554, 307.954



23, 3.813, 288.389



14, 75.464, 305.054



33, 130.107, 305.723



# Inverse Universe

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



43, 13.524, 16.195



52, 20.415, 16.875



50, 18.825, 125.542



24, 2.858, 14.622



25, 58.250, 35.573



53, 101.227, 38.139



# Previews

## White Background



This preview shows how the CIE LCh color 41, 17.607, 290.379 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 41, 17.607, 290.379 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

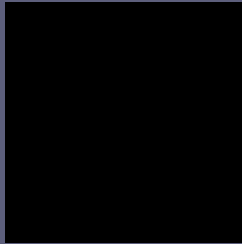
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# CIELCh 41, 17.607, 290.379

## Background



This preview shows how black text looks on a background with the CIELCh color 41, 17.607, 290.379.

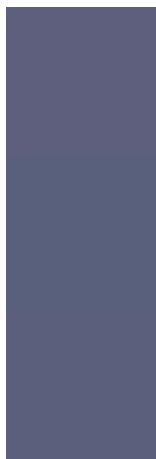


This preview shows how white text looks on a background with the CIELCh color 41, 17.607, 290.379.

# 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

41, 17.607, 290.379

### Protanopia

41, 17.105, 284.134

### Deuteranopia

41, 17.619, 289.201





**Tritanopia**  
41, 5.937, 254.214

# Trichromacy



**Original Color**  
41, 17.607, 290.379

**Protanomaly**  
41, 17.662, 286.870

**Deuteranomaly**  
41, 17.619, 289.201

**Tritanomaly**  
41, 9.424, 274.924

# Monochromacy



**Original Color**  
41, 17.607, 290.379

**Achromatopsia**  
41, 0.006, 296.813

**Achromatomaly**  
41, 6.686, 287.772

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 41, 17.607, 290.379 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, 95, 124)` looks like.

```
.text, #text, p{  
    color:rgb(93, 95, 124)  
}
```

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, 95, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 95, 124) }
```

## Border

The CSS property to change the border of an element to CIELCh 41, 17.607, 290.379 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, 95, 124) }
```

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

```
.border{ border-color:rgb(93, 95, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 95, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 95, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 95, 124);  
box-shadow:4px 4px 4px 4px rgb(93, 95,  
124) }
```

# Background

The CSS property to change the background color of an element to CIELCh 41, 17.607, 290.379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 95, 124) }
```

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

```
.background{ background-color: rgb(93, 95,  
124) }
```

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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