

# Converting Colors

CIELCh(41, 15.136, 292.339)

Have a look what the booklet for  
CIELCh(41, 15.136, 292.339)  
contains.

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# Color

**CIELCh(41, 14.580, 292.334)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5F5F77
RGB	95, 95, 119
RGB Percent	37%, 37%, 47%
CMY	0.6287, 0.6287, 0.5347
CMYK	0.20, 0.20, 0.00, 0.53
HSL	240°, 11%, 42%
HSV	240°, 20%, 47%
XYZ	12.0571, 11.8645, 19.0000
YIQ	97.7360, -7.7040, 7.4640

# Conversions

## Conversions Part 2

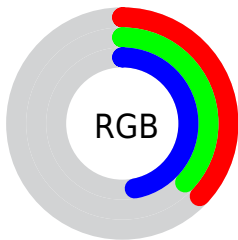
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	95, 95, 119
Decimal	6250359
CIE <sub>Lab</sub>	41.00, 5.54, -13.49
CIE <sub>LCh</sub>	41, 14.580, 292.334
Y <sub>xy</sub>	11.8645, 0.2809, 0.2764
Android (android.graphics.Color)	4284440439 (0xFF5F5F77)
YUV	97.7360, 10.4832, -2.3995
Hunter-Lab	34.4449, 2.2036, -8.5933

# Details

The CIELCh color  $41, 14.580, 292.334$  is a dark color, and the websafe version is hex  $666666$ . A complement of this color would be  $49, 13.946, 108.308$ , and the grayscale version is  $41, 0.006, 296.813$ .

A 20% lighter version of the original color is  $61, 14.668, 293.203$ , and  $21, 14.875, 292.001$  is the 20% darker color. If you saturate the color by 10%, you get  $37, 22.232, 293.681$ , and if you desaturate by 10%, it is  $45, 7.228, 291.181$ .

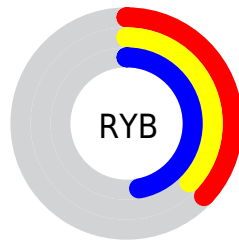
# Distribution



Red (37%)

Green (37%)

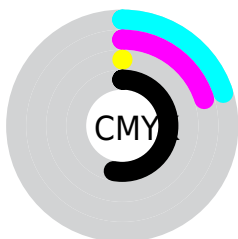
Blue (47%)



Red (37%)

Yellow (37%)

Blue (47%)

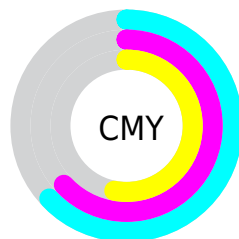


Cyan (20%)

Magenta (20%)

Yellow (0%)

Black (53%)



Cyan (63%)

Magenta (63%)


Yellow (53%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 14.580, 292.334 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, 14.580, 292.334 by changing the saturation by 10% instead.





 41, 14.580,  
292.334


 41, 14.580,  
292.334


 100, 14.580,  
292.334


 31, 14.580,  
292.334

 61, 14.580,  
292.334


 21, 14.580,  
292.334

 71, 14.580,  
292.334


 11, 14.580,  
292.334


 81, 14.580,  
292.334

 1, 14.580, 292.334

 91, 14.580,  
292.334

 0, 14.580, 292.334

 41, 14.580,

 41, 14.580,

292.334

37, 22.232,  
293.681

32, 30.202,  
295.249

28, 38.484,  
297.045

24, 47.013,  
299.044

20, 55.576,  
301.157

16, 63.674,  
303.201

14, 70.398,  
304.894

11, 76.010,  
306.283

292.334

45, 7.228, 291.181

50, 0.157, 290.470

54, 6.655, 109.341

58, 13.225,  
108.623

63, 19.571,  
108.003

67, 25.707,  
107.467

71, 31.648,  
107.001

75, 37.404,  
106.596

79, 42.988,



# Harmonies

# Complementary

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



41, 14.580, 292.334



49, 13.946, 108.308

# Rectangle

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



41, 14.580, 292.334



41, 14.580, 342.334



41, 14.580, 112.334



41, 14.580, 162.334

# Sweetspot

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



41, 14.579, 292.332



60, 5.189, 290.766



48, 9.192, 196.951



30, 3.424, 290.812



82, 0.010, 296.813



33, 0.005, 296.813





# Same Dimension

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



41, 14.579, 292.332



50, 21.498, 292.896



42, 15.273, 309.398



22, 3.936, 291.056



12, 77.720, 306.284



32, 131.775, 306.286



# Inverse Universe

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



43, 10.402, 20.749



53, 15.453, 21.157



48, 14.862, 127.601



23, 2.750, 19.849



24, 59.037, 37.981



52, 102.979, 39.995



# Previews

## White Background



This preview shows how the CIELCh color 41, 14.580, 292.334 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, 14.580, 292.334 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

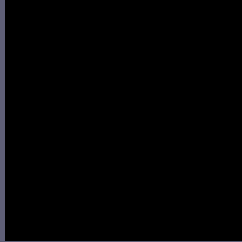
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

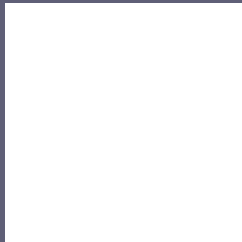
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 41, 14.580, 292.334

## Background



This preview shows how black text looks on a background with the CIELCh color 41, 14.580, 292.334.



This preview shows how white text looks on a background with the CIELCh color 41, 14.580, 292.334.

# 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, 14.580, 292.334

### Protanopia

41, 14.037, 284.597

### Deuteranopia

41, 14.580, 292.334





**Tritanopia**  
41, 5.209, 268.413

# Trichromacy



**Original Color**  
41, 14.580, 292.334

**Protanomaly**  
41, 14.001, 286.098

**Deuteranomaly**  
41, 14.580, 292.334

**Tritanomaly**  
41, 8.559, 283.578

# Monochromacy



**Original Color**  
41, 14.580, 292.334

**Achromatopsia**  
41, 0.006, 296.813

**Achromatomaly**  
41, 5.467, 291.005

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 41, 14.580, 292.334 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(95, 95, 119)` looks like.

```
.text, #text, p{  
    color:rgb(95, 95, 119)  
}
```

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(95, 95, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 95, 119) }
```

## Border

The CSS property to change the border of an element to CIELCh 41, 14.580, 292.334 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(95, 95, 119) }
```

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

```
.border{ border-color:rgb(95, 95, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 95, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 95, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 95, 119);  
box-shadow:4px 4px 4px 4px rgb(95, 95,  
119) }
```

# Background

The CSS property to change the background color of an element to CIELCh 41, 14.580, 292.334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 95, 119) }
```

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

```
.background{ background-color: rgb(95, 95,  
119) }
```

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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