

# Converting Colors

CIELCh(40, 5.820, 288.364)

Have a look what the booklet for  
CIELCh(40, 5.820, 288.364) contains.

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# Color

**CIELCh(40, 5.496, 286.821)**

# Conversions

Conversions Part 1	
Format	Color
Hex	5D5E67
RGB	93, 94, 103
RGB Percent	36%, 37%, 40%
CMY	0.6362, 0.6323, 0.5970
CMYK	0.10, 0.09, 0.00, 0.60
HSL	234°, 5%, 38%
HSV	234°, 10%, 40%
XYZ	10.9065, 11.2510, 14.3640
YIQ	94.7270, -3.4850, 2.5870

# Conversions

## Conversions Part 2

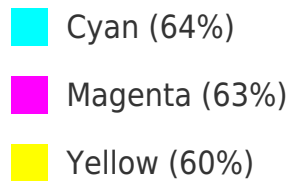
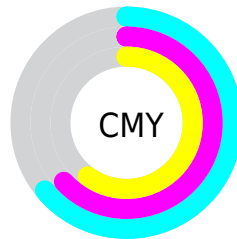
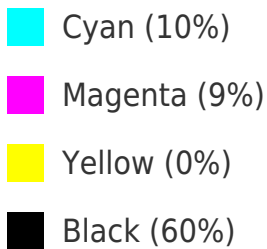
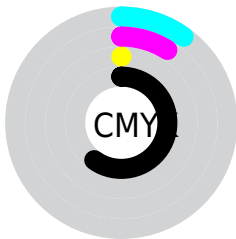
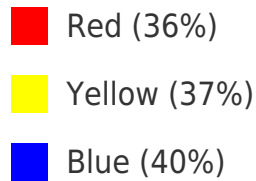
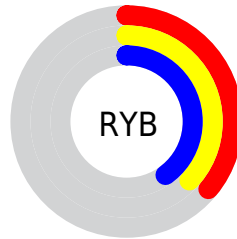
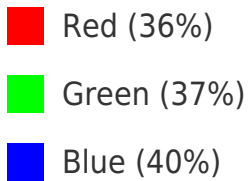
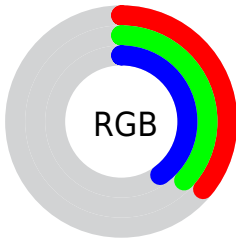
Format	Color
<a href="#">RYB</a>	<a href="#">93, 94, 103</a>
Decimal	<a href="#">6119015</a>
CIELab	<a href="#">40.00, 1.59, -5.26</a>
CIELCh	<a href="#">40, 5.496, 286.821</a>
Yxy	<a href="#">11.2510, 0.2986, 0.3081</a>
Android (android.graphics.Color)	<a href="#">4284309095</a> (0xFF5D5E67)
YUV	<a href="#">94.7270, 4.0786, -1.5146</a>
Hunter-Lab	<a href="#">33.5425, -0.6592, -1.9102</a>

# Details

The CIELCh color  $40, 5.496, 286.821$  is a dark color, and the websafe version is hex  $666666$ . A complement of this color would be  $43, 5.402, 104.835$ , and the grayscale version is  $40, 0.006, 296.813$ .

A 20% lighter version of the original color is  $60, 5.659, 287.007$ , and  $20, 5.457, 286.850$  is the 20% darker color. If you saturate the color by 10%, you get  $36, 11.327, 288.007$ , and if you desaturate by 10%, it is  $44, 0.145, 105.317$ .

# Distribution
















# Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 5.496, 286.821 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 40, 5.496, 286.821 by changing the saturation by 10% instead.



 40, 5.496, 286.821	 40, 5.496, 286.821
 100, 5.496, 286.821	 30, 5.496, 286.821
 60, 5.496, 286.821	 20, 5.496, 286.821
 70, 5.496, 286.821	 10, 5.496, 286.821
 80, 5.496, 286.821	 0, 5.496, 286.821
 90, 5.496, 286.821	

 40, 5.496, 286.821	 40, 5.496, 286.821
 36, 11.327, 288.007	 44, 0.145, 105.317
 33, 17.368,	 47, 5.605, 104.865

289.399

51, 10.898,  
104.097

29, 23.633,  
291.015

54, 16.033,  
103.425

26, 30.136,  
292.874

58, 21.020,  
102.835

22, 36.872,  
294.979

61, 25.866,  
102.317

19, 43.788,  
297.293

65, 30.579,  
101.858

16, 50.721,  
299.715

68, 35.166,  
101.450

13, 57.296,  
302.061

71, 39.633,  
101.086

11, 62.988,  
303.890

# Harmonies

# Complementary

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



40, 5.496, 286.821



43, 5.402, 104.835

# Rectangle

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



40, 5.496, 286.821



40, 5.496, 336.821



40, 5.496, 106.821



40, 5.496, 156.821

# Sweetspot

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



40, 5.495, 286.814



54, 2.071, 286.137



43, 4.126, 189.152



27, 1.558, 286.198



78, 0.009, 296.813



28, 0.004, 296.813



# Same Dimension

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



40, 5.495, 286.814



50, 8.392, 287.107



40, 6.320, 305.358



19, 3.148, 286.725



12, 68.877, 304.188



32, 123.819, 305.212





# Inverse Universe

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



40, 4.303, 11.819



51, 6.597, 12.062



43, 6.218, 124.444



19, 2.462, 11.743



22, 53.426, 33.254

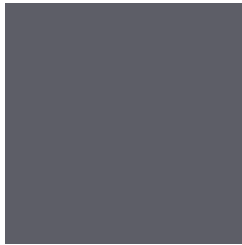


51, 96.233, 36.585



# Previews

## White Background



This preview shows how the CIE LCh color 40, 5.496, 286.821 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 CIELCh color 40, 5.496, 286.821 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

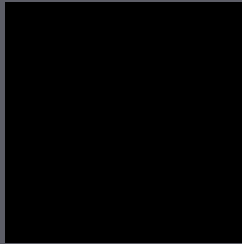
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

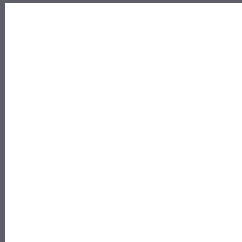
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 40, 5.496, 286.821**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 40, 5.496, 286.821.



This preview shows how white text looks on a background with the CIELCh color 40, 5.496, 286.821.

# 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

40, 5.496, 286.821

### Protanopia

40, 5.496, 286.821

### Deuteranopia

40, 7.330, 314.088

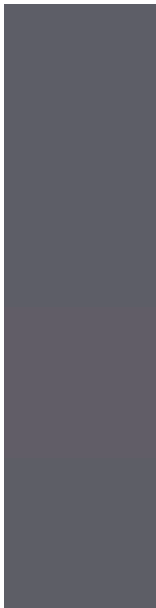


## Tritanopia

40, 4.282, 285.400



# Trichromacy



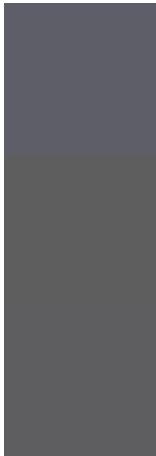
**Original Color**  
40, 5.496, 286.821

**Protanomaly**  
40, 5.496, 286.821

**Deuteranomaly**  
40, 6.337, 305.953

**Tritanomaly**  
40, 4.888, 286.187

# Monochromacy



**Original Color**  
40, 5.496, 286.821

**Achromatopsia**  
40, 0.006, 296.813

**Achromatomaly**  
40, 1.833, 290.479

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 40, 5.496, 286.821 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, 94, 103)` looks like.

```
.text, #text, p{  
    color:rgb(93, 94, 103)  
}
```

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, 94, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 94, 103) }
```

## Border

The CSS property to change the border of an element to CIELCh 40, 5.496, 286.821 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, 94, 103) }
```

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

```
.border{ border-color:rgb(93, 94, 103) }
```

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

Here you see how a box with a 4 pixel rgb(93, 94, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 94, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 94, 103);  
box-shadow:4px 4px 4px 4px rgb(93, 94,  
103) }
```

# Background

The CSS property to change the background color of an element to CIELCh 40, 5.496, 286.821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 94, 103) }
```

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

```
.background{ background-color: rgb(93, 94,  
103) }
```

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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