

Converting Colors

CIELCh(40, 6.221, 290.231)

Have a look what the booklet for
CIELCh(40, 6.221, 290.231) contains.

CIELCh(40, 6.103, 287.347)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(40, 6.103, 287.347)

Conversions

Conversions Part 1

Format	Color
Hex	5D5E68
RGB	93, 94, 104
RGB Percent	36%, 37%, 41%
CMY	0.6366, 0.6326, 0.5934
CMYK	0.11, 0.10, 0.00, 0.59
HSL	235°, 6%, 38%
HSV	235°, 11%, 41%
XYZ	10.9374, 11.2510, 14.6042
YIQ	94.8410, -3.8060, 2.8980

Conversions

Conversions Part 2

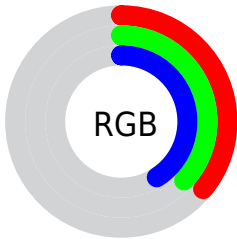
Format	Color
R_{YB}	93, 94, 104
Decimal	6119016
CIE Lab	40.00, 1.82, -5.83
CIE LCh	40, 6.103, 287.347
Yxy	11.2510, 0.2973, 0.3058
Android (android.graphics.Color)	4284309096 (0xFF5D5E68)
YUV	94.8410, 4.5154, -1.6146
Hunter-Lab	33.5425, -0.4948, -2.3349

Details

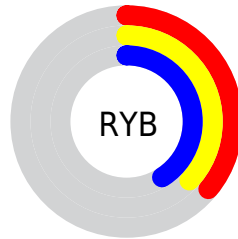
The CIELCh color **40, 6.103, 287.347** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **43, 5.988, 105.194**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **60, 6.222, 287.425**, and **20, 6.135, 287.549** is the 20% darker color. If you saturate the color by 10%, you get **36, 12.057, 288.545**, and if you desaturate by 10%, it is **44, 0.348, 286.472**.

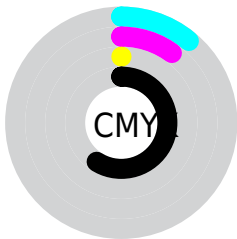
Distribution



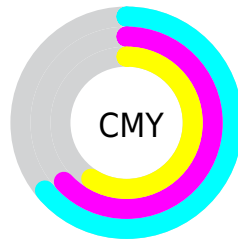
- Red (36%)
- Green (37%)
- Blue (41%)



- Red (36%)
- Yellow (37%)
- Blue (41%)



- Cyan (11%)
- Magenta (10%)
- Yellow (0%)
- Black (59%)



- Cyan (64%)
- Magenta (63%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 6.103, 287.347 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, 6.103, 287.347 by changing the saturation by 10% instead.

■ 40, 6.103, 287.347

■ 40, 6.103, 287.347

■ 100, 6.103,
287.347

■ 30, 6.103, 287.347

■ 60, 6.103, 287.347

■ 20, 6.103, 287.347

■ 70, 6.103, 287.347

■ 10, 6.103, 287.347

■ 80, 6.103, 287.347

■ 0, 6.103, 287.347

■ 90, 6.103, 287.347

■ 40, 6.103, 287.347

■ 40, 6.103, 287.347

■ 36, 12.057,
288.545

■ 44, 0.348, 286.472

■ 33, 18.228,

■ 47, 5.220, 105.380

289.949

51, 10.614,
104.609

29, 24.632,
291.578

54, 15.845,
103.934

25, 31.281,
293.451

58, 20.922,
103.344

22, 38.164,
295.565

62, 25.854,
102.824

18, 45.214,
297.875

65, 30.648,
102.366

15, 52.232,
300.269

68, 35.313,
101.959

13, 58.789,
302.547

72, 39.854,
101.597

11, 64.031,
304.159

Harmonies

Complementary

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



40, 6.103, 287.347



43, 5.988, 105.194

Rectangle

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



40, 6.103, 287.347



40, 6.103, 337.347



40, 6.103, 107.347



40, 6.103, 157.347

Sweetspot

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



40, 6.102, 287.341



55, 2.124, 286.570



43, 4.501, 190.456



28, 1.624, 286.633



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



40, 6.102, 287.341



50, 9.342, 287.655



40, 6.968, 305.999



19, 3.179, 287.155



12, 69.351, 304.385



32, 124.445, 305.353

Inverse Universe

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



40, 4.731, 12.628



51, 7.273, 12.884



43, 6.850, 125.020



19, 2.458, 12.472



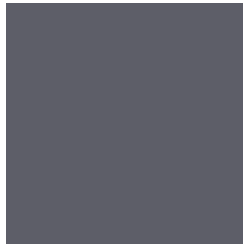
22, 53.649, 33.661



51, 96.725, 37.004

Previews

White Background



This preview shows how the CIELCh color 40, 6.103, 287.347 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 40, 6.103, 287.347 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

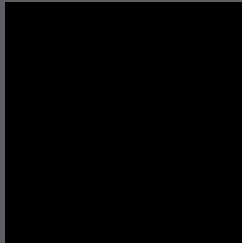
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

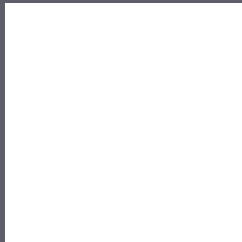
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 40, 6.103, 287.347

Background



This preview shows how black text looks on a background with the CIELCh color 40, 6.103, 287.347.



This preview shows how white text looks on a background with the CIELCh color 40, 6.103, 287.347.

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, 6.103, 287.347

Protanopia

40, 6.103, 287.347

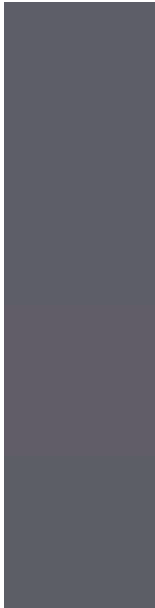
Deuteranopia

40, 7.893, 312.373



Tritanopia
40, 4.332, 280.064

Trichromacy



Original Color

40, 6.103, 287.347

Protanomaly

40, 6.103, 287.347

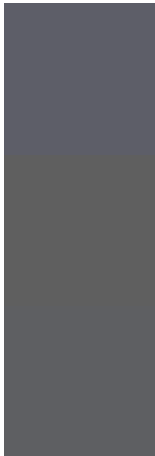
Deuteranomaly

40, 6.927, 304.696

Tritanomaly

40, 4.931, 281.517

Monochromacy



Original Color

40, 6.103, 287.347

Achromatopsia

40, 0.006, 296.813

Achromatomaly

40, 1.869, 277.742

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 6.103, 287.347 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, 104)` looks like.

```
.text, #text, p{  
    color:rgb(93, 94, 104)  
}
```

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, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 94, 104) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 6.103, 287.347 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, 104) }
```

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

```
.border{ border-color:rgb(93, 94, 104) }
```

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, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 94, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 94, 104);  
box-shadow:4px 4px 4px 4px rgb(93, 94,  
104) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 6.103, 287.347 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, 104) }
```

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

```
.background{ background-color: rgb(93, 94,  
104) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor