

Converting Colors

CIELCh(40, 10.183, 156.179)

Have a look what the booklet for
CIELCh(40, 10.183, 156.179)
contains.

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Color

CIELCh(40, 9.830, 155.287)

Conversions

Conversions Part 1

Format	Color
Hex	516257
RGB	81, 98, 87
RGB Percent	32%, 38%, 34%
CMY	0.6811, 0.6144, 0.6576
CMYK	0.17, 0.00, 0.11, 0.61
HSL	141°, 9%, 35%
HSV	141°, 17%, 39%
XYZ	9.5503, 11.2510, 10.7517
YIQ	91.6630, -6.6010, -7.0250

Conversions

Conversions Part 2

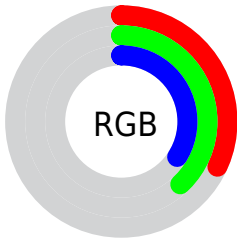
Format	Color
R_{YB}	81, 94, 98
Decimal	5333591
CIE Lab	40.00, -8.93, 4.11
CIE LCh	40, 9.830, 155.287
Yxy	11.2510, 0.3027, 0.3566
Android (android.graphics.Color)	4283523671 (0xFF516257)
YUV	91.6630, -2.2989, -9.3515
Hunter-Lab	33.5425, -7.8766, 4.4748

Details

The CIELCh color $[40, 9.830, 155.287]$ is a dark color, and the websafe version is hex `666666`. A complement of this color would be $[37, 9.925, 337.672]$, and the grayscale version is $[39, 0.006, 296.813]$.

A 20% lighter version of the original color is $[60, 10.066, 156.275]$, and $[20, 10.107, 155.347]$ is the 20% darker color. If you saturate the color by 10%, you get $[39, 15.509, 154.435]$, and if you desaturate by 10%, it is $[41, 4.134, 156.062]$.

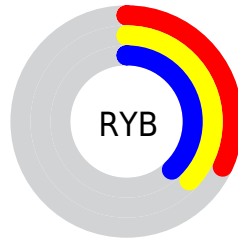
Distribution



Red (32%)

Green (38%)

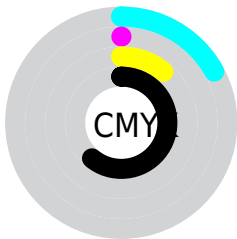
Blue (34%)



Red (32%)

Yellow (37%)

Blue (38%)

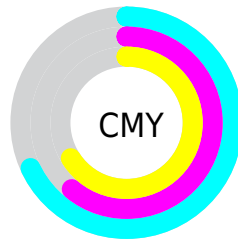


Cyan (17%)

Magenta (0%)

Yellow (11%)

Black (61%)



Cyan (68%)

Magenta (61%)

Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 9.830, 155.287 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, 9.830, 155.287 by changing the saturation by 10% instead.

■ 40, 9.830, 155.287

■ 40, 9.830, 155.287

■ 100, 9.830,
155.287

■ 30, 9.830, 155.287

■ 60, 9.830, 155.287

■ 20, 9.830, 155.287

■ 70, 9.830, 155.287

■ 10, 9.830, 155.287

■ 80, 9.830, 155.287

■ 0, 9.830, 155.287

■ 90, 9.830, 155.287

■ 40, 9.830, 155.287

■ 40, 9.830, 155.287

■ 39, 15.509,
154.435

■ 41, 4.134, 156.062

■ 38, 21.099,

■ 42, 1.526, 336.537

153.476

43, 7.105, 337.242

38, 26.518,
152.387

44, 12.571,
337.793

37, 31.677,
151.150

46, 17.904,
338.287

37, 36.486,
149.749

47, 23.089,
338.737

36, 40.863,
148.177

48, 28.121,
339.149

36, 44.744,
146.438

50, 32.996,
339.530

36, 48.213,
144.697

51, 37.717,
339.883

36, 49.122,
144.286

Harmonies

Complementary

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



40, 9.830, 155.287



37, 9.925, 337.672

Rectangle

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



40, 9.830, 155.287



40, 9.830, 205.287



40, 9.830, 335.287



40, 9.830, 25.287

Sweetspot

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



40, 9.831, 155.286



53, 3.501, 156.233



41, 10.596, 122.811



27, 2.368, 156.194



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



40, 9.831, 155.286



51, 14.782, 154.930



40, 7.069, 185.808



20, 3.140, 155.942



41, 54.362, 143.918



83, 98.082, 142.512

Inverse Universe

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



37, 9.925, 337.672



46, 14.952, 337.995



36, 7.614, 8.634



18, 3.160, 337.055



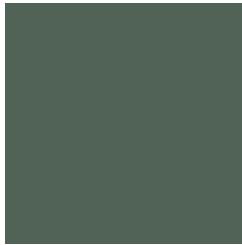
23, 49.256, 347.738



53, 85.099, 349.432

Previews

White Background



This preview shows how the CIELCh color 40, 9.830, 155.287 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, 9.830, 155.287 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

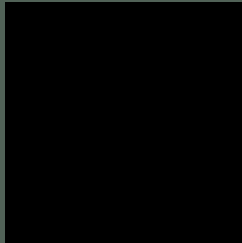
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 9.830, 155.287

Background



This preview shows how black text looks on a background with the CIELCh color 40, 9.830, 155.287.



This preview shows how white text looks on a background with the CIELCh color 40, 9.830, 155.287.

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, 9.830, 155.287

Protanopia

40, 5.728, 91.577

Deuteranopia

40, 6.210, 31.386



Tritanopia
40, 6.677, 246.128

Trichromacy



Original Color

40, 9.830, 155.287

Protanomaly

40, 6.315, 125.034

Deuteranomaly

40, 3.737, 96.294

Tritanomaly

40, 5.636, 204.988

Monochromacy



Original Color

40, 9.830, 155.287

Achromatopsia

39, 0.006, 296.813

Achromatomaly

39, 3.531, 155.303

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 9.830, 155.287 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(81, 98, 87)` looks like.

```
.text, #text, p{  
    color:rgb(81, 98, 87)  
}
```

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(81, 98, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 98, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 9.830, 155.287 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(81, 98, 87) }
```

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

```
.border{ border-color:rgb(81, 98, 87) }
```

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

Here you see how a box with a 4 pixel rgb(81, 98, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 98, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 98, 87);  
box-shadow:4px 4px 4px 4px rgb(81, 98, 87)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 9.830, 155.287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 98, 87) }
```

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

```
.background{ background-color: rgb(81, 98,  
87) }
```

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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