

Converting Colors

CIELCh(40, 12.820, 131.672)

Have a look what the booklet for
CIELCh(40, 12.820, 131.672)
contains.

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Color

CIELCh(40, 13.205, 131.653)

Conversions

Conversions Part 1

Format	Color
Hex	56624E
RGB	86, 98, 78
RGB Percent	34%, 38%, 31%
CMY	0.6629, 0.6159, 0.6943
CMYK	0.12, 0.00, 0.20, 0.62
HSL	96°, 11%, 34%
HSV	96°, 20%, 38%
XYZ	9.5692, 11.2510, 8.8655
YIQ	92.1320, -0.7320, -8.7640

Conversions

Conversions Part 2

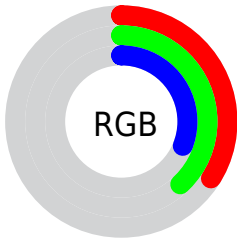
Format	Color
R_{YB}	78, 98, 90
Decimal	5661262
CIE Lab	40.00, -8.78, 9.87
CIE LCh	40, 13.205, 131.653
Yxy	11.2510, 0.3223, 0.3790
Android (android.graphics.Color)	4283851342 (0xFF56624E)
YUV	92.1320, -6.9671, -5.3778
Hunter-Lab	33.5425, -7.7759, 7.8089

Details

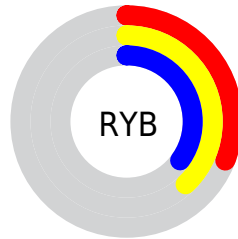
The CIELCh color **40, 13.205, 131.653** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **35, 13.474, 313.301**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **60, 13.433, 131.567**, and **20, 13.240, 131.529** is the 20% darker color. If you saturate the color by 10%, you get **39, 19.661, 131.199**, and if you desaturate by 10%, it is **41, 6.725, 132.089**.

Distribution



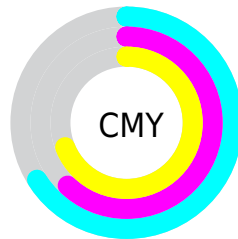
- Red (34%)
- Green (38%)
- Blue (31%)



- Red (31%)
- Yellow (38%)
- Blue (35%)



- Cyan (12%)
- Magenta (0%)
- Yellow (20%)
- Black (62%)





- Cyan (66%)
- Magenta (62%)
- Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 13.205, 131.653 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, 13.205, 131.653 by changing the saturation by 10% instead.


 40, 13.205,
131.653


 40, 13.205,
131.653


 100, 13.205,
131.653


 30, 13.205,
131.653

 60, 13.205,
131.653


 20, 13.205,
131.653

 70, 13.205,
131.653


 10, 13.205,
131.653

 80, 13.205,
131.653

 0, 13.205, 131.653

 90, 13.205,
131.653

 40, 13.205,

 40, 13.205,

131.653

■ 39, 19.661,
131.199

■ 39, 26.025,
130.734

■ 38, 32.207,
130.284

■ 38, 38.084,
129.891

■ 37, 43.484,
129.622

■ 37, 48.188,
129.567

■ 37, 51.955,
129.831

■ 36, 55.212,
130.024

131.653

■ 41, 6.725, 132.089

■ 42, 0.264, 132.809

■ 42, 6.142, 312.814

■ 43, 12.470,
313.143

■ 44, 18.701,
313.433

■ 45, 24.824,
313.689

■ 46, 30.831,
313.915

■ 47, 36.719,
314.114

■ 48, 42.485,

Harmonies

Complementary

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



40, 13.205, 131.653



35, 13.474, 313.301

Rectangle

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



40, 13.205, 131.653



40, 13.205, 181.653



40, 13.205, 311.653



40, 13.205, 1.653

Sweetspot

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



40, 13.206, 131.655



53, 4.801, 132.270



39, 8.165, 82.954



27, 3.158, 132.253



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, 13.206, 131.655



51, 20.084, 131.414



39, 13.935, 146.024



20, 3.586, 132.155



42, 60.931, 130.277



84, 107.625, 131.217

Inverse Universe

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



35, 13.474, 313.301



43, 20.601, 313.530



36, 13.959, 328.366



18, 3.622, 312.815



17, 66.433, 314.896



42, 116.716, 314.231

Previews

White Background



This preview shows how the CIE LCh color 40, 13.205, 131.653 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, 13.205, 131.653 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

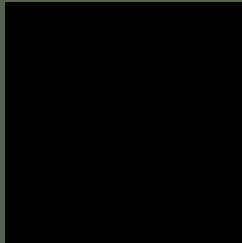
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

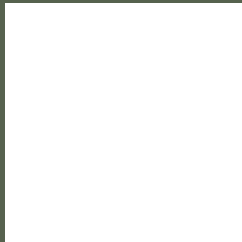
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 40, 13.205, 131.653

Background



This preview shows how black text looks on a background with the CIELCh color 40, 13.205, 131.653.

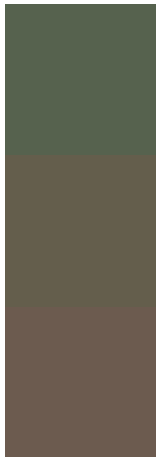


This preview shows how white text looks on a background with the CIELCh color 40, 13.205, 131.653.

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, 13.205, 131.653

Protanopia

40, 11.238, 94.523

Deuteranopia

40, 10.659, 62.877



Tritanopia
40, 4.675, 265.404

Trichromacy



Original Color

40, 13.205, 131.653

Protanomaly

40, 10.892, 108.478

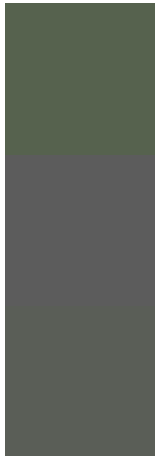
Deuteranomaly

40, 9.481, 92.323

Tritanomaly

40, 3.459, 167.172

Monochromacy



Original Color

40, 13.205, 131.653

Achromatopsia

39, 0.006, 296.813

Achromatomaly

39, 4.607, 131.252

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 13.205, 131.653 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(86, 98, 78)` looks like.

```
.text, #text, p{  
    color:rgb(86, 98, 78)  
}
```

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(86, 98, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 98, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 13.205, 131.653 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(86, 98, 78) }
```

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

```
.border{ border-color:rgb(86, 98, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 98, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 98, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 98, 78);  
box-shadow:4px 4px 4px 4px rgb(86, 98, 78)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 13.205, 131.653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 98, 78) }
```

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

```
.background{ background-color: rgb(86, 98,  
78) }
```

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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