

Converting Colors

CIELCh(40, 33.302, 131.165)

Have a look what the booklet for
CIELCh(40, 33.302, 131.165)
contains.

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Color

CIELCh(40, 33.253, 131.184)

Conversions

Conversions Part 1

Format	Color
Hex	476734
RGB	71, 103, 52
RGB Percent	28%, 40%, 20%
CMY	0.7221, 0.5967, 0.7966
CMYK	0.31, 0.00, 0.50, 0.60
HSL	98°, 33%, 30%
HSV	98°, 50%, 40%
XYZ	8.0395, 11.2510, 4.9803
YIQ	87.6180, -2.7010, -22.6450

Conversions

Conversions Part 2

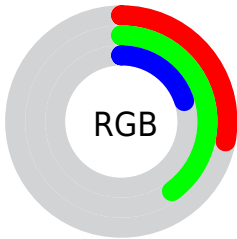
Format	Color
RYB	52, 103, 84
Decimal	4679476
CIELab	40.00, -21.90, 25.03
CIELCh	40, 33.253, 131.184
Yxy	11.2510, 0.3312, 0.4636
Android (android.graphics.Color)	4282869556 (0xFF476734)
YUV	87.6180, -17.5597, -14.5740
Hunter-Lab	33.5425, -15.9161, 14.6765

Details

The CIELCh color $40, 33.253, 131.184$ is a dark color, and the websafe version is hex 336633 . A complement of this color would be $28, 34.819, 315.421$, and the grayscale version is $37, 0.005, 296.813$.

A 20% lighter version of the original color is $60, 32.893, 131.268$, and $20, 33.630, 131.123$ is the 20% darker color. If you saturate the color by 10%, you get $39, 39.443, 130.765$, and if you desaturate by 10%, it is $41, 26.749, 131.655$.

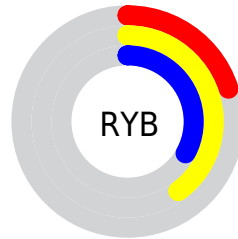
Distribution



Red (28%)

Green (40%)

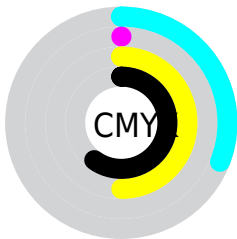
Blue (20%)



Red (20%)

Yellow (40%)

Blue (33%)

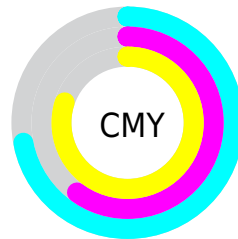


Cyan (31%)

Magenta (0%)

Yellow (50%)

Black (60%)



Cyan (72%)


Magenta (60%)


Yellow (80%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 33.253, 131.184 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, 33.253, 131.184 by changing the saturation by 10% instead.


 40, 33.253,
131.184


 40, 33.253,
131.184


 100, 33.253,
131.184


 30, 33.253,
131.184

 60, 33.253,
131.184


 20, 33.253,
131.184

 70, 33.253,
131.184

 10, 33.253,
131.184

 80, 33.253,
131.184

 0, 33.253, 131.184

 90, 33.253,
131.184

 40, 33.253,

 40, 33.253,

131.184

■ 39, 39.443,
130.765

■ 39, 45.137,
130.459

■ 39, 50.105,
130.359

■ 38, 54.087,
130.572

■ 38, 57.485,
130.817

■ 38, 57.632,
130.818

131.184

■ 41, 26.749,
131.655

■ 41, 20.059,
132.133

■ 42, 13.280,
132.596

■ 43, 6.479, 133.034

■ 44, 0.292, 313.077

■ 44, 6.999, 313.753

■ 45, 13.615,
314.076

■ 46, 20.123,
314.359

■ 47, 26.510,

Harmonies

Complementary

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



40, 33.253, 131.184



28, 34.819, 315.421

Rectangle

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



40, 33.253, 131.184



40, 33.253, 181.184



40, 33.253, 311.184



40, 33.253, 1.184

Sweetspot

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



40, 33.254, 131.185



54, 12.528, 132.781



37, 21.685, 80.696



27, 8.481, 132.716



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, 33.254, 131.185



50, 48.043, 130.726



39, 34.361, 143.895



21, 3.772, 133.062



42, 62.414, 131.010



85, 109.325, 131.887

Inverse Universe

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



28, 34.819, 315.421



32, 50.788, 315.797



30, 34.233, 330.542



19, 3.807, 313.726



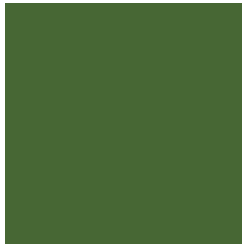
18, 67.157, 315.626



43, 116.978, 315.000

Previews

White Background



This preview shows how the CIELCh color 40, 33.253, 131.184 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, 33.253, 131.184 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

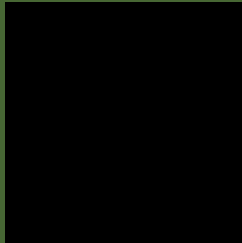
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 33.253, 131.184

Background



This preview shows how black text looks on a background with the CIELCh color 40, 33.253, 131.184.



This preview shows how white text looks on a background with the CIELCh color 40, 33.253, 131.184.

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

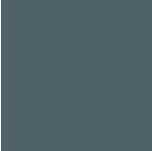
40, 33.253, 131.184

Protanopia

40, 27.199, 95.661

Deuteranopia

40, 24.377, 78.205



Tritanopia
40, 8.334, 234.724

Trichromacy



Original Color
40, 33.253, 131.184

Protanomaly
40, 27.822, 110.769

Deuteranomaly
40, 24.468, 102.980

Tritanomaly
40, 12.474, 158.473

Monochromacy



Original Color
40, 33.253, 131.184

Achromatopsia
37, 0.005, 296.813

Achromatomaly
38, 12.770, 132.701

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 33.253, 131.184 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(71, 103, 52)` looks like.

```
.text, #text, p{  
    color:rgb(71, 103, 52)  
}
```

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(71, 103, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 103, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 33.253, 131.184 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(71, 103, 52) }
```

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

```
.border{ border-color:rgb(71, 103, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 103, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 103, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 103, 52);  
box-shadow:4px 4px 4px 4px rgb(71, 103,  
52) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 33.253, 131.184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 103, 52) }
```

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

```
.background{ background-color: rgb(71, 103,  
52) }
```

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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