

Converting Colors

CIELCh(40, 23.285, 148.347)

Have a look what the booklet for
CIELCh(40, 23.285, 148.347)
contains.

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Color

CIELCh(40, 23.456, 148.435)

Conversions

Conversions Part 1

Format	Color
Hex	42674A
RGB	66, 103, 74
RGB Percent	26%, 40%, 29%
CMY	0.7427, 0.5977, 0.7113
CMYK	0.36, 0.00, 0.28, 0.60
HSL	133°, 22%, 33%
HSV	133°, 36%, 40%
XYZ	8.2513, 11.2510, 8.1459
YIQ	88.6310, -12.7430, -16.8630

Conversions

Conversions Part 2

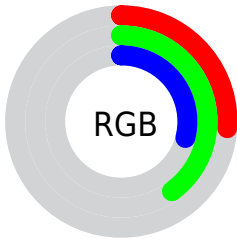
Format	Color
R_{YB}	66, 96, 103
Decimal	4351818
CIE _{Lab}	40.00, -19.99, 12.28
CIE _{LCh}	40, 23.456, 148.435
Yxy	11.2510, 0.2984, 0.4069
Android (android.graphics.Color)	4282541898 (0xFF42674A)
YUV	88.6310, -7.2131, -19.8474
Hunter-Lab	33.5425, -14.7889, 9.0809

Details

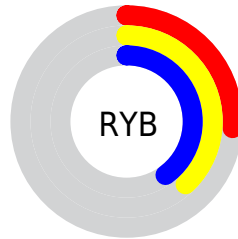
The CIELCh color $40, 23.456, 148.435$ is a dark color, and the websafe version is hex 336633 . A complement of this color would be $33, 23.573, 333.343$, and the grayscale version is $38, 0.005, 296.813$.

A 20% lighter version of the original color is $60, 23.243, 148.903$, and $20, 23.782, 148.583$ is the 20% darker color. If you saturate the color by 10%, you get $39, 29.747, 147.419$, and if you desaturate by 10%, it is $41, 16.992, 149.322$.

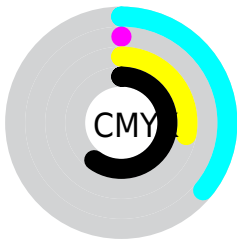
Distribution



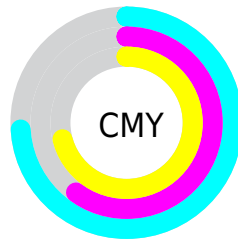
- Red (26%)
- Green (40%)
- Blue (29%)



- Red (26%)
- Yellow (38%)
- Blue (40%)



- Cyan (36%)
- Magenta (0%)
- Yellow (28%)
- Black (60%)





- Cyan (74%)
- Magenta (60%)
- Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 23.456, 148.435 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, 23.456, 148.435 by changing the saturation by 10% instead.

 40, 23.456,
148.435


 40, 23.456,
148.435


 100, 23.456,
148.435

 30, 23.456,
148.435

 60, 23.456,
148.435


 20, 23.456,
148.435

 70, 23.456,
148.435

 10, 23.456,
148.435

 80, 23.456,
148.435

 0, 23.456, 148.435

 90, 23.456,
148.435

 40, 23.456,

 40, 23.456,

148.435

148.435

■ 39, 29.747,
147.419

■ 41, 16.992,
149.322

■ 39, 35.748,
146.262

■ 42, 10.453,
150.097

■ 38, 41.337,
144.958

■ 43, 3.919, 150.798

■ 38, 46.389,
143.514

■ 44, 2.544, 331.258

■ 45, 8.891, 331.826

■ 38, 50.788,
141.961

■ 46, 15.089,
332.288

■ 37, 54.507,
140.442

■ 48, 21.117,
332.694

■ 37, 55.848,
139.960

■ 49, 26.964,
333.055

■ 51, 32.625,

Harmonies

Complementary

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



40, 23.456, 148.435



33, 23.573, 333.343

Rectangle

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



40, 23.456, 148.435



40, 23.456, 198.435



40, 23.456, 328.435



40, 23.456, 18.435

Sweetspot

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



40, 23.457, 148.435



54, 8.825, 150.434



42, 22.159, 115.681



27, 5.884, 150.372



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, 23.457, 148.435



51, 34.353, 147.618



40, 16.092, 172.569



21, 3.625, 150.600



42, 60.818, 139.709



84, 108.187, 138.632

Inverse Universe

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



33, 23.573, 333.343



40, 34.468, 333.894



32, 17.797, 359.829



20, 3.638, 331.605



25, 54.584, 338.622



55, 93.789, 339.412

Previews

White Background



This preview shows how the CIELCh color 40, 23.456, 148.435 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, 23.456, 148.435 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

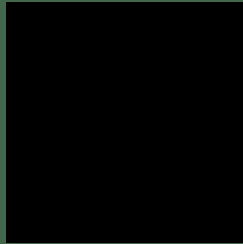
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 40, 23.456, 148.435

Background



This preview shows how black text looks on a background with the CIELCh color 40, 23.456, 148.435.



This preview shows how white text looks on a background with the CIELCh color 40, 23.456, 148.435.

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, 23.456, 148.435

Protanopia

40, 14.869, 95.381

Deuteranopia

40, 12.260, 63.704



Tritanopia
40, 10.716, 225.636

Trichromacy



Original Color
40, 23.456, 148.435

Protanomaly
40, 16.188, 122.175

Deuteranomaly
40, 12.135, 112.515

Tritanomaly
40, 12.426, 180.664

Monochromacy



Original Color
40, 23.456, 148.435

Achromatopsia
37, 0.005, 296.813

Achromatomaly
38, 8.300, 150.766

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 23.456, 148.435 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(66, 103, 74)` looks like.

```
.text, #text, p{  
    color:rgb(66, 103, 74)  
}
```

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(66, 103, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 103, 74) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 23.456, 148.435 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(66, 103, 74) }
```

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

```
.border{ border-color:rgb(66, 103, 74) }
```

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

Here you see how a box with a 4 pixel rgb(66, 103, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 103, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 103, 74);  
box-shadow:4px 4px 4px 4px rgb(66, 103,  
74) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 23.456, 148.435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 103, 74) }
```

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

```
.background{ background-color: rgb(66, 103,  
74) }
```

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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