

Converting Colors

CIELCh(40, 19.597, 152.961)

Have a look what the booklet for
CIELCh(40, 19.597, 152.961)
contains.

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Color

CIELCh(40, 19.925, 152.658)

Conversions

Conversions Part 1

Format	Color
Hex	44664F
RGB	68, 102, 79
RGB Percent	27%, 40%, 31%
CMY	0.7340, 0.6007, 0.6909
CMYK	0.33, 0.00, 0.23, 0.60
HSL	139°, 20%, 33%
HSV	139°, 33%, 40%
XYZ	8.5097, 11.2510, 9.0867
YIQ	89.2120, -12.8810, -14.3610

Conversions

Conversions Part 2

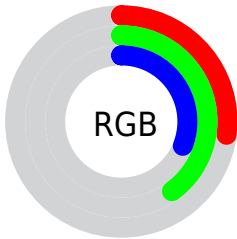
Format	Color
R_{YB}	68, 94, 102
Decimal	4482639
CIE _{Lab}	40.00, -17.70, 9.15
CIE _{LCh}	40, 19.925, 152.658
Yxy	11.2510, 0.2950, 0.3900
Android (android.graphics.Color)	4282672719 (0xFF44664F)
YUV	89.2120, -5.0345, -18.6029
Hunter-Lab	33.5425, -13.4143, 7.4180

Details

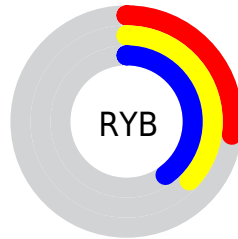
The CIELCh color $[40, 19.925, 152.658]$ is a dark color, and the websafe version is hex $\#336666$. A complement of this color would be $[33, 20.188, 337.599]$, and the grayscale version is $[38, 0.005, 296.813]$.

A 20% lighter version of the original color is $[60, 19.928, 152.743]$, and $[20, 19.861, 153.225]$ is the 20% darker color. If you saturate the color by 10%, you get $[39, 25.720, 151.629]$, and if you desaturate by 10%, it is $[41, 13.990, 153.562]$.

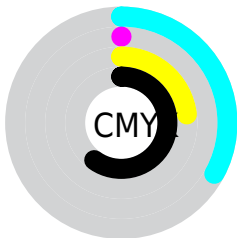
Distribution



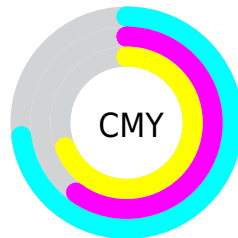
- Red (27%)
- Green (40%)
- Blue (31%)



- Red (27%)
- Yellow (37%)
- Blue (40%)



- Cyan (33%)
- Magenta (0%)
- Yellow (23%)
- Black (60%)





- Cyan (73%)
- Magenta (60%)
- Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 19.925, 152.658 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, 19.925, 152.658 by changing the saturation by 10% instead.

 40, 19.925,
152.658


 40, 19.925,
152.658


 100, 19.925,
152.658


 30, 19.925,
152.658

 60, 19.925,
152.658


 20, 19.925,
152.658


 70, 19.925,
152.658


 10, 19.925,
152.658

 80, 19.925,
152.658

 0, 19.925, 152.658

 90, 19.925,
152.658

 40, 19.925,

 40, 19.925,

152.658

■ 39, 25.720,
151.629

■ 39, 31.279,
150.458

■ 38, 36.503,
149.128

■ 38, 41.297,
147.630

■ 37, 45.581,
145.968

■ 37, 49.319,
144.191

■ 37, 51.632,
143.152

152.658

■ 41, 13.990,
153.562

■ 42, 7.995, 154.365

■ 43, 2.010, 155.143

■ 44, 3.911, 335.605

■ 45, 9.727, 336.194

■ 46, 15.411,
336.702

■ 48, 20.944,
337.159

■ 49, 26.316,
337.574

■ 50, 31.521,
337.954

Harmonies

Complementary

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



40, 19.925, 152.658



33, 20.188, 337.599

Rectangle

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



40, 19.925, 152.658



40, 19.925, 202.658



40, 19.925, 332.658



40, 19.925, 22.658

Sweetspot

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



40, 19.926, 152.658



54, 7.411, 154.599



41, 20.805, 120.656



27, 5.017, 154.525



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, 19.926, 152.658



51, 29.516, 151.870



40, 13.789, 181.672



21, 3.351, 154.701



42, 56.594, 142.837



84, 101.131, 141.520

Inverse Universe

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



33, 20.188, 337.599



41, 29.931, 338.232



33, 15.823, 8.042



20, 3.369, 335.799



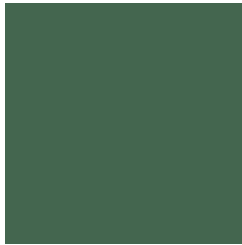
24, 50.871, 345.649



54, 87.219, 347.089

Previews

White Background



This preview shows how the CIE LCh color 40, 19.925, 152.658 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, 19.925, 152.658 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, 19.925, 152.658

Background



This preview shows how black text looks on a background with the CIELCh color 40, 19.925, 152.658.



This preview shows how white text looks on a background with the CIELCh color 40, 19.925, 152.658.

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, 19.925, 152.658

Protanopia

40, 11.826, 95.091

Deuteranopia

40, 9.819, 53.879



Tritanopia
40, 10.415, 226.520

Trichromacy



Original Color
40, 19.925, 152.658

Protanomaly
40, 13.314, 125.560

Deuteranomaly
39, 8.513, 111.808

Tritanomaly
40, 11.137, 188.507

Monochromacy



Original Color
40, 19.925, 152.658

Achromatopsia
38, 0.005, 296.813

Achromatomaly
39, 7.826, 153.695

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 19.925, 152.658 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(68, 102, 79)` looks like.

```
.text, #text, p{  
    color:rgb(68, 102, 79)  
}
```

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(68, 102, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 102, 79) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 19.925, 152.658 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(68, 102, 79) }
```

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

```
.border{ border-color:rgb(68, 102, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 102, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 102, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 102, 79);  
box-shadow:4px 4px 4px 4px rgb(68, 102,  
79) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 19.925, 152.658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 102, 79) }
```

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

```
.background{ background-color: rgb(68, 102,  
79) }
```

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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