

Converting Colors

CIELCh(40, 33.219, 144.618)

Have a look what the booklet for
CIELCh(40, 33.219, 144.618)
contains.

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Color

CIELCh(40, 33.095, 144.788)

Conversions

Conversions Part 1

Format	Color
Hex	37693E
RGB	55, 105, 62
RGB Percent	22%, 41%, 24%
CMY	0.7845, 0.5884, 0.7570
CMYK	0.48, 0.00, 0.41, 0.59
HSL	128°, 31%, 31%
HSV	128°, 48%, 41%
XYZ	7.4875, 11.2510, 6.3278
YIQ	85.1480, -15.9970, -23.9730

Conversions

Conversions Part 2

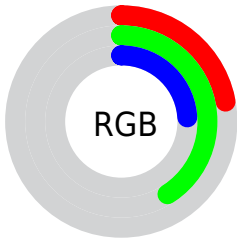
Format	Color
RYB	55, 99, 105
Decimal	3631422
CIELab	40.00, -27.04, 19.08
CIElCh	40, 33.095, 144.788
Yxy	11.2510, 0.2987, 0.4488
Android (android.graphics.Color)	4281821502 (0xFF37693E)
YUV	85.1480, -11.4120, -26.4398
Hunter-Lab	33.5425, -18.8537, 12.2946

Details

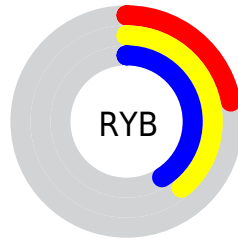
The CIELCh color **40, 33.095, 144.788** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **31, 33.026, 331.257**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 33.348, 144.768**, and **20, 33.165, 144.477** is the 20% darker color. If you saturate the color by 10%, you get **39, 39.472, 143.650**, and if you desaturate by 10%, it is **41, 26.366, 145.794**.

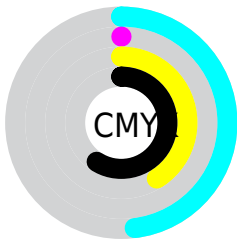
Distribution



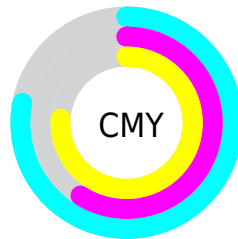
- Red (22%)
- Green (41%)
- Blue (24%)



- Red (22%)
- Yellow (39%)
- Blue (41%)



- Cyan (48%)
- Magenta (0%)
- Yellow (41%)
- Black (59%)





- Cyan (78%)
- Magenta (59%)
- Yellow (76%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 33.095, 144.788 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, 33.095, 144.788 by changing the saturation by 10% instead.


 40, 33.095,
144.788


 40, 33.095,
144.788


 100, 33.095,
144.788


 30, 33.095,
144.788

 60, 33.095,
144.788


 20, 33.095,
144.788

 70, 33.095,
144.788


 10, 33.095,
144.788

 80, 33.095,
144.788

 0, 33.095, 144.788

 90, 33.095,
144.788

 40, 33.095,

 40, 33.095,

144.788

144.788

■ 39, 39.472,
143.650

■ 41, 26.366,
145.794

■ 39, 45.340,
142.389

■ 42, 19.421,
146.673

■ 39, 50.537,
141.033

■ 42, 12.378,
147.438

■ 38, 54.901,
139.644

■ 44, 5.333, 148.115

■ 38, 58.391,
138.437

■ 45, 1.640, 328.537

■ 46, 8.488, 329.120

■ 38, 59.113,
138.234

■ 47, 15.174,
329.558

■ 49, 21.674,
329.937

■ 50, 27.976,

Harmonies

Complementary

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



40, 33.095, 144.788



31, 33.026, 331.257

Rectangle

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



40, 33.095, 144.788



40, 33.095, 194.788



40, 33.095, 324.788



40, 33.095, 14.788

Sweetspot

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



40, 33.096, 144.788



55, 12.260, 147.665



43, 29.270, 112.011



28, 8.407, 147.553



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



40, 33.096, 144.788



51, 48.693, 143.529



41, 22.302, 166.746



22, 3.991, 148.027



43, 64.274, 138.037



85, 112.749, 137.236

Inverse Universe

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



31, 33.026, 331.257



38, 48.230, 331.901



30, 24.683, 356.926



21, 4.001, 328.993



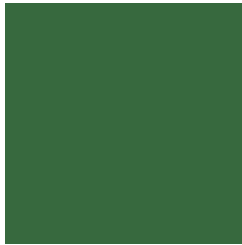
26, 58.601, 334.433



56, 100.223, 334.857

Previews

White Background



This preview shows how the CIELCh color 40, 33.095, 144.788 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, 33.095, 144.788 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, 33.095, 144.788

Background



This preview shows how black text looks on a background with the CIELCh color 40, 33.095, 144.788.



This preview shows how white text looks on a background with the CIELCh color 40, 33.095, 144.788.

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, 33.095, 144.788

Protanopia
40, 21.942, 96.779

Deuteranopia
40, 18.591, 73.667



Tritanopia
40, 13.358, 219.588

Trichromacy



Original Color
40, 33.095, 144.788

Protanomaly
40, 24.005, 121.003

Deuteranomaly
39, 18.737, 112.892

Tritanomaly
40, 17.299, 174.395

Monochromacy



Original Color
40, 33.095, 144.788

Achromatopsia
36, 0.005, 296.813

Achromatomaly
37, 12.087, 148.174

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 33.095, 144.788 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(55, 105, 62)` looks like.

```
.text, #text, p{  
    color:rgb(55, 105, 62)  
}
```

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(55, 105, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 105, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 33.095, 144.788 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(55, 105, 62) }
```

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

```
.border{ border-color:rgb(55, 105, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 105, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 105, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 105, 62);  
box-shadow:4px 4px 4px 4px rgb(55, 105,  
62) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 33.095, 144.788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 105, 62) }
```

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

```
.background{ background-color: rgb(55, 105,  
62) }
```

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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