

Converting Colors

CIELCh(40, 35.436, 153.634)

Have a look what the booklet for
CIELCh(40, 35.436, 153.634)
contains.

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Color

CIELCh(40, 35.760, 153.164)

Conversions

Conversions Part 1

Format	Color
Hex	256B43
RGB	37, 107, 67
RGB Percent	15%, 42%, 26%
CMY	0.8560, 0.5814, 0.7382
CMYK	0.66, 0.00, 0.37, 0.58
HSL	146°, 49%, 28%
HSV	146°, 66%, 42%
XYZ	6.9887, 11.2510, 7.0758
YIQ	81.5100, -28.8800, -27.2800

Conversions

Conversions Part 2

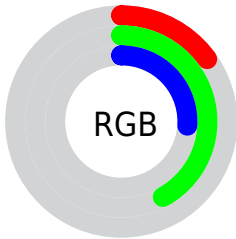
Format	Color
RYB	37, 86, 107
Decimal	2452291
CIELab	40.00, -31.91, 16.14
CIELCh	40, 35.760, 153.164
Yxy	11.2510, 0.2761, 0.4444
Android (android.graphics.Color)	4280642371 (0xFF256B43)
YUV	81.5100, -7.1534, -39.0353
Hunter-Lab	33.5425, -21.5081, 10.9726

Details

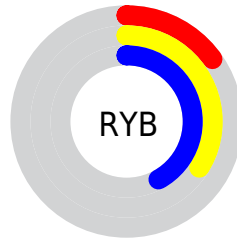
The CIELCh color $40, 35.760, 153.164$ is a dark color, and the websafe version is hex 336633 . A complement of this color would be $27, 36.716, 346.528$, and the grayscale version is $35, 0.005, 296.813$.

A 20% lighter version of the original color is $60, 35.885, 152.979$, and $21, 32.351, 147.668$ is the 20% darker color. If you saturate the color by 10%, you get $40, 40.152, 151.553$, and if you desaturate by 10%, it is $40, 30.936, 154.594$.

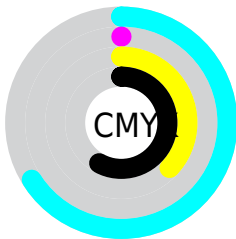
Distribution



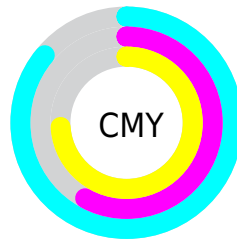
- Red (15%)
- Green (42%)
- Blue (26%)



- Red (15%)
- Yellow (34%)
- Blue (42%)



- Cyan (66%)
- Magenta (0%)
- Yellow (37%)
- Black (58%)





- Cyan (86%)
- Magenta (58%)
- Yellow (74%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 35.760, 153.164 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, 35.760, 153.164 by changing the saturation by 10% instead.


 40, 35.760,
153.164


 40, 35.760,
153.164


 100, 35.760,
153.164


 30, 35.760,
153.164

 60, 35.760,
153.164


 20, 35.760,
153.164


 70, 35.760,
153.164


 10, 35.760,
153.164

 80, 35.760,
153.164

 0, 35.760, 153.164

 90, 35.760,
153.164

 40, 35.760,

 40, 35.760,

153.164

153.164

■ 40, 40.152,
151.553

■ 40, 30.936,
154.594

■ 39, 44.054,
149.757

■ 41, 25.757,
155.858

■ 39, 47.503,
147.851

■ 42, 20.310,
156.975

■ 39, 48.973,
147.092

■ 43, 14.684,
157.966

■ 44, 8.961, 158.855

■ 45, 3.211, 159.689

■ 46, 2.508, 340.226

■ 47, 8.153, 340.936

■ 48, 13.690,
341.535

Harmonies

Complementary

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



40, 35.760, 153.164



27, 36.716, 346.528

Rectangle

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



40, 35.760, 153.164



40, 35.760, 203.164



40, 35.760, 333.164



40, 35.760, 23.164

Sweetspot

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



40, 35.760, 153.164



55, 14.149, 158.428



42, 41.700, 123.314



28, 9.578, 158.247



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, 35.760, 153.164



51, 50.850, 150.586



41, 23.299, 187.845



22, 3.230, 159.406



43, 52.660, 146.833



85, 93.392, 145.432

Inverse Universe

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



27, 36.716, 346.528



32, 50.760, 349.219



26, 34.250, 22.112



21, 3.258, 340.630



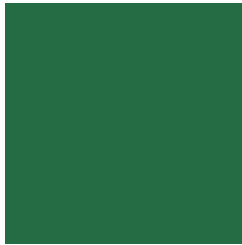
24, 48.979, 353.973



53, 83.508, 356.130

Previews

White Background



This preview shows how the CIE LCh color 40, 35.760, 153.164 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, 35.760, 153.164 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, 35.760, 153.164

Background



This preview shows how black text looks on a background with the CIELCh color 40, 35.760, 153.164.



This preview shows how white text looks on a background with the CIELCh color 40, 35.760, 153.164.

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, 35.760, 153.164

Protanopia

40, 20.214, 96.275

Deuteranopia

40, 15.271, 68.565



Tritanopia
40, 17.609, 213.723

Trichromacy



Original Color
40, 35.760, 153.164

Protanomaly
39, 23.555, 130.364

Deuteranomaly
39, 17.188, 125.845

Tritanomaly
40, 21.647, 180.343

Monochromacy



Original Color
40, 35.760, 153.164

Achromatopsia
34, 0.005, 296.813

Achromatomaly
36, 13.712, 158.333

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 35.760, 153.164 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(37, 107, 67)` looks like.

```
.text, #text, p{  
    color:rgb(37, 107, 67)  
}
```

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(37, 107, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 107, 67) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 35.760, 153.164 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(37, 107, 67) }
```

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

```
.border{ border-color:rgb(37, 107, 67) }
```

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

Here you see how a box with a 4 pixel rgb(37, 107, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 107, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 107, 67);  
box-shadow:4px 4px 4px 4px rgb(37, 107,  
67) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 35.760, 153.164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 107, 67) }
```

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

```
.background{ background-color: rgb(37, 107,  
67) }
```

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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