

Converting Colors

CIELCh(40, 55.965, 124.824)

Have a look what the booklet for
CIELCh(40, 55.965, 124.824)
contains.

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Color

CIELCh(40, 55.567, 124.844)

Conversions

Conversions Part 1

Format	Color
Hex	3C6A00
RGB	60, 106, 0
RGB Percent	24%, 42%, 0%
CMY	0.7650, 0.5846, 1.0000
CMYK	0.43, 0.00, 1.00, 0.58
HSL	86°, 100%, 21%
HSV	86°, 100%, 42%
XYZ	7.0048, 11.2510, 1.7998
YIQ	80.1620, 6.6100, -42.7180

Conversions

Conversions Part 2

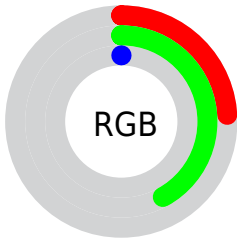
Format	Color
RYB	0, 106, 46
Decimal	3959296
CIELab	40.00, -31.75, 45.60
CIElCh	40, 55.567, 124.844
Yxy	11.2510, 0.3493, 0.5610
Android (android.graphics.Color)	4282149376 (0xFF3C6A00)
YUV	80.1620, -39.5199, -17.6821
Hunter-Lab	33.5425, -21.4223, 20.2983

Details

The CIELCh color **40, 55.567, 124.844** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **13, 65.921, 311.079**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 55.538, 124.757**, and **20, 40.588, 137.233** is the 20% darker color. If you saturate the color by 10%, you get **40, 55.546, 124.856**, and if you desaturate by 10%, it is **40, 52.365, 124.368**.

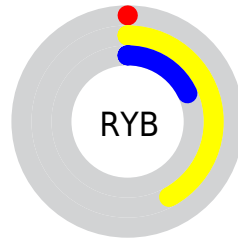
Distribution



Red (24%)

Green (42%)

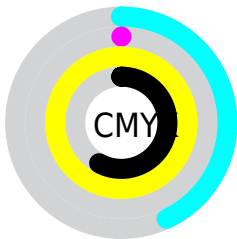
Blue (0%)



Red (0%)

Yellow (42%)

Blue (18%)

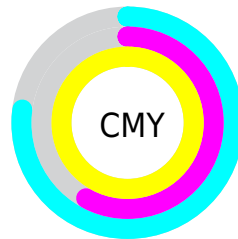


Cyan (43%)

Magenta (0%)

Yellow (100%)

Black (58%)



Cyan (77%)


Magenta (58%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 55.567, 124.844 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, 55.567, 124.844 by changing the saturation by 10% instead.


 40, 55.567,
124.844


 40, 55.567,
124.844


 100, 55.567,
124.844


 30, 55.567,
124.844

 60, 55.567,
124.844


 20, 55.567,
124.844

 70, 55.567,
124.844

 10, 55.567,
124.844

 80, 55.567,
124.844

 0, 55.567, 124.844

 90, 55.567,
124.844

 40, 55.567,

 40, 55.567,

124.844

124.844

■ 40, 55.546,
124.856

■ 40, 52.365,
124.368

■ 41, 48.655,
123.974

■ 41, 43.950,
123.928

■ 41, 38.508,
124.123

■ 42, 32.562,
124.468

■ 42, 26.291,
124.897

■ 43, 19.822,
125.364

■ 43, 13.245,
125.839

Harmonies

Complementary

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



40, 55.567, 124.844



13, 65.921, 311.079

Rectangle

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



40, 55.567, 124.844



40, 55.567, 174.844



40, 55.567, 304.844



40, 55.567, 354.844

Sweetspot

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



40, 55.546, 124.856



55, 24.577, 125.324



27, 44.743, 56.969



28, 16.620, 125.181



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, 55.546, 124.856



52, 67.289, 125.307



38, 62.315, 135.484



22, 3.753, 126.355



44, 59.814, 125.044



87, 103.772, 125.992

Inverse Universe

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



13, 65.921, 311.079



19, 79.805, 310.772



23, 60.780, 325.755



20, 3.807, 307.136



15, 70.967, 310.951



37, 122.943, 310.315

Previews

White Background



This preview shows how the CIELCh color 40, 55.567, 124.844 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, 55.567, 124.844 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

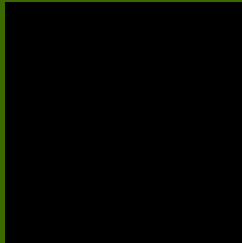
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 55.567, 124.844

Background



This preview shows how black text looks on a background with the CIELCh color 40, 55.567, 124.844.



This preview shows how white text looks on a background with the CIELCh color 40, 55.567, 124.844.

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, 55.567, 124.844

Protanopia

40, 47.127, 95.423

Deuteranopia

40, 41.374, 83.003



Tritanopia
40, 10.415, 226.520

Trichromacy



Original Color
40, 55.567, 124.844

Protanomaly
39, 48.344, 108.149

Deuteranomaly
39, 43.501, 102.055

Tritanomaly
39, 24.987, 141.524

Monochromacy



Original Color
40, 55.567, 124.844

Achromatopsia
34, 0.005, 296.813

Achromatomaly
36, 24.199, 124.317

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 55.567, 124.844 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(60, 106, 0)` looks like.

```
.text, #text, p{  
    color:rgb(60, 106, 0)  
}
```

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(60, 106, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 106, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 55.567, 124.844 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(60, 106, 0) }
```

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

```
.border{ border-color:rgb(60, 106, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 106, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 106, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 106, 0);  
box-shadow:4px 4px 4px 4px rgb(60, 106, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 55.567, 124.844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 106, 0) }
```

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

```
.background{ background-color: rgb(60, 106,  
0) }
```

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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