

Converting Colors

CIELCh(40, 54.990, 129.404)

Have a look what the booklet for
CIELCh(40, 54.990, 129.404)
contains.

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Color

CIELCh(40, 55.105, 129.365)

Conversions

Conversions Part 1

Format	Color
Hex	336B0B
RGB	51, 107, 11
RGB Percent	20%, 42%, 4%
CMY	0.7999, 0.5803, 0.9567
CMYK	0.52, 0.00, 0.90, 0.58
HSL	95°, 81%, 23%
HSV	95°, 90%, 42%
XYZ	6.6886, 11.2510, 2.1371
YIQ	79.3120, -2.5600, -41.7280

Conversions

Conversions Part 2

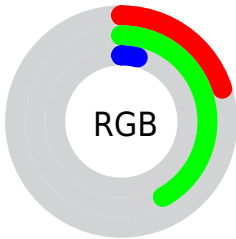
Format	Color
RYB	11, 107, 67
Decimal	3369739
CIELab	40.00, -34.95, 42.60
CIElCh	40, 55.105, 129.365
Yxy	11.2510, 0.3332, 0.5604
Android (android.graphics.Color)	4281559819 (0xFF336B0B)
YUV	79.3120, -33.6778, -24.8296
Hunter-Lab	33.5425, -23.1050, 19.7022

Details

The CIELCh color $40, 55.105, 129.365$ is a dark color, and the websafe version is hex 336600 . A complement of this color would be $18, 60.216, 314.701$, and the grayscale version is $34, 0.005, 296.813$.

A 20% lighter version of the original color is $60, 55.047, 129.359$, and $21, 41.286, 137.348$ is the 20% darker color. If you saturate the color by 10%, you get $40, 58.482, 129.740$, and if you desaturate by 10%, it is $40, 51.093, 129.069$.

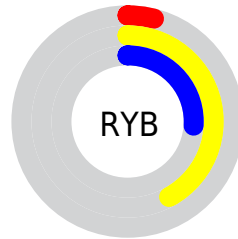
Distribution



Red (20%)

Green (42%)

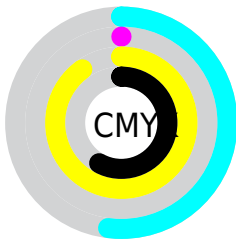
Blue (4%)



Red (4%)

Yellow (42%)

Blue (26%)

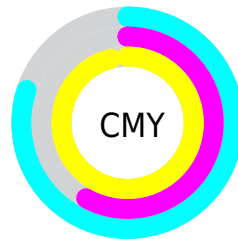


Cyan (52%)

Magenta (0%)

Yellow (90%)

Black (58%)



Cyan (80%)


Magenta (58%)


Yellow (96%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 55.105, 129.365 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, 55.105, 129.365 by changing the saturation by 10% instead.


 40, 55.105,
129.365


 40, 55.105,
129.365


 100, 55.105,
129.365


 30, 55.105,
129.365

 60, 55.105,
129.365


 20, 55.105,
129.365

 70, 55.105,
129.365

 10, 55.105,
129.365

 80, 55.105,
129.365

 0, 55.105, 129.365

 90, 55.105,
129.365

 40, 55.105,

 40, 55.105,

129.365

■ 40, 58.482,
129.740

■ 40, 58.594,
129.746

129.365

■ 40, 51.093,
129.069

■ 41, 46.063,
129.105

■ 41, 40.279,
129.363

■ 42, 33.983,
129.749

■ 42, 27.359,
130.197

■ 43, 20.543,
130.663

■ 44, 13.630,
131.120

■ 44, 6.689, 131.557

Harmonies

Complementary

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



40, 55.105, 129.365



18, 60.216, 314.701

Rectangle

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



40, 55.105, 129.365



40, 55.105, 179.365



40, 55.105, 309.365



40, 55.105, 359.365

Sweetspot

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



40, 55.105, 129.366



56, 23.339, 130.752



32, 39.758, 71.461



29, 15.841, 130.636



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



40, 55.105, 129.366



52, 71.472, 130.188



39, 58.195, 138.127



22, 3.885, 131.588



43, 62.644, 129.909



86, 108.851, 130.806

Inverse Universe

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



18, 60.216, 314.701



23, 78.408, 314.206



25, 55.109, 331.264



20, 3.926, 312.269



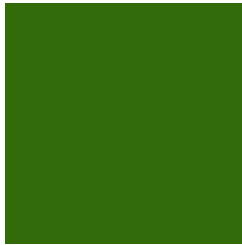
18, 68.826, 314.400



42, 119.025, 313.766

Previews

White Background



This preview shows how the CIELCh color 40, 55.105, 129.365 looks on a white background.

Color Contrast Check

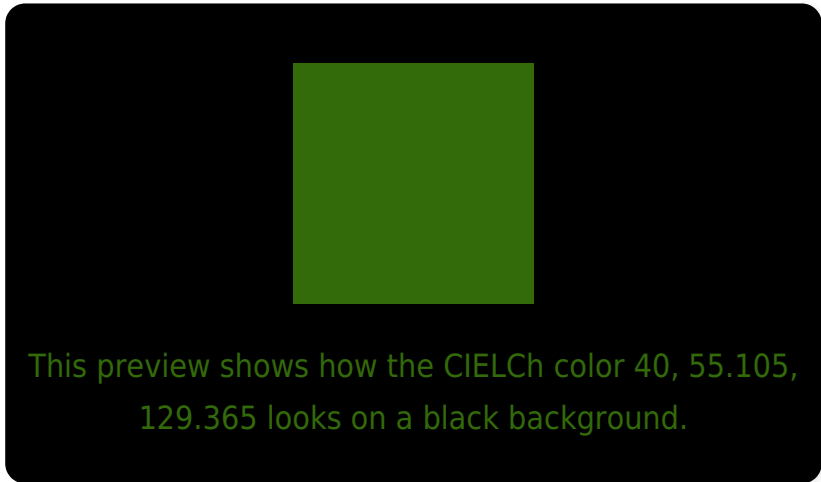
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

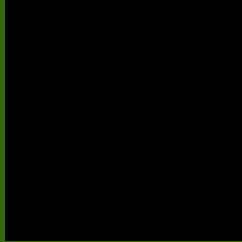
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 55.105, 129.365

Background



This preview shows how black text looks on a background with the CIELCh color 40, 55.105, 129.365.



This preview shows how white text looks on a background with the CIELCh color 40, 55.105, 129.365.

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, 55.105, 129.365

Protanopia
40, 45.729, 95.417

Deuteranopia
40, 40.199, 82.611



Tritanopia
40, 13.070, 220.117

Trichromacy



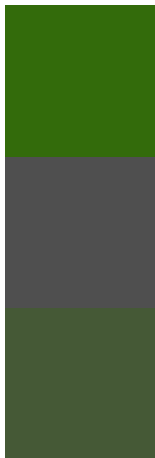
Original Color
40, 55.105, 129.365

Protanomaly
39, 47.098, 110.904

Deuteranomaly
39, 41.940, 105.014

Tritanomaly
40, 25.188, 150.443

Monochromacy



Original Color
40, 55.105, 129.365

Achromatopsia
34, 0.005, 296.813

Achromatomaly
35, 23.225, 129.853

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 55.105, 129.365 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(51, 107, 11)` looks like.

```
.text, #text, p{  
    color:rgb(51, 107, 11)  
}
```

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(51, 107, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 107, 11) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 55.105, 129.365 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(51, 107, 11) }
```

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

```
.border{ border-color:rgb(51, 107, 11) }
```

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

Here you see how a box with a 4 pixel rgb(51, 107, 11) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 107, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 107, 11);  
box-shadow:4px 4px 4px 4px rgb(51, 107,  
11) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 55.105, 129.365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 107, 11) }
```

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

```
.background{ background-color: rgb(51, 107,  
11) }
```

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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