

Converting Colors

CIELCh(36, 39.969, 55.904)

Have a look what the booklet for
CIELCh(36, 39.969, 55.904) contains.

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Color

CIELCh(36, 40.249, 55.957)

Conversions

Conversions Part 1

Format	Color
Hex	81451F
RGB	129, 69, 31
RGB Percent	51%, 27%, 12%
CMY	0.4944, 0.7296, 0.8787
CMYK	0.00, 0.47, 0.76, 0.49
HSL	23°, 61%, 31%
HSV	23°, 76%, 51%
XYZ	11.4124, 9.0082, 2.4294
YIQ	82.6080, 47.9580, 0.9020

Conversions

Conversions Part 2

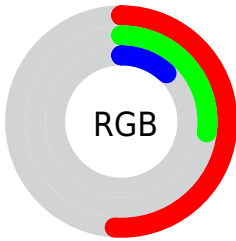
Format	Color
R_{YB}	129, 93, 31
Decimal	8471839
CIE Lab	36.00, 22.53, 33.35
CIE LCh	36, 40.249, 55.957
Yxy	9.0082, 0.4995, 0.3942
Android (android.graphics.Color)	4286661919 (0xFF81451F)
YUV	82.6080, -25.4427, 40.6858
Hunter-Lab	30.0136, 15.3492, 16.2105

Details

The CIELCh color **36, 40.249, 55.957** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **37, 27.353, 258.510**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 40.334, 56.039**, and **16, 33.558, 46.942** is the 20% darker color. If you saturate the color by 10%, you get **34, 46.150, 54.993**, and if you desaturate by 10%, it is **38, 34.140, 56.745**.

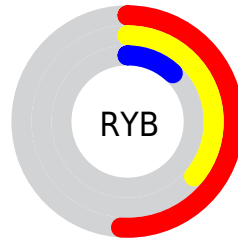
Distribution



Red (51%)

Green (27%)

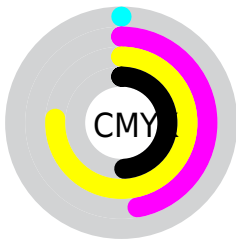
Blue (12%)



Red (51%)

Yellow (36%)

Blue (12%)

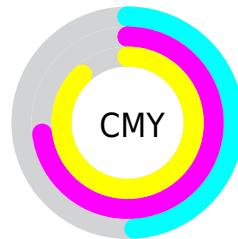


Cyan (0%)

Magenta (47%)

Yellow (76%)

Black (49%)



Cyan (49%)

Magenta (73%)

Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 40.249, 55.957 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 36, 40.249, 55.957 by changing the saturation by 10% instead.

36, 40.249, 55.957

36, 40.249, 55.957

100, 40.249,
55.957

26, 40.249, 55.957

56, 40.249, 55.957

16, 40.249, 55.957

66, 40.249, 55.957

6, 40.249, 55.957

76, 40.249, 55.957

0, 40.249, 55.957

86, 40.249, 55.957

96, 40.249, 55.957

36, 40.249, 55.957

36, 40.249, 55.957

34, 46.150, 54.993

38, 34.140, 56.745

■ 32, 51.440, 53.716

■ 40, 28.144, 57.499

■ 32, 53.681, 53.446

■ 43, 22.406, 58.282

■ 45, 16.979, 59.110

■ 47, 11.874, 59.979

■ 50, 7.080, 60.873

■ 52, 2.573, 61.726

■ 55, 1.672, 242.994

■ 58, 5.684, 243.799

Harmonies

Complementary

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



36, 40.249, 55.957



37, 27.353, 258.510

Rectangle

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



36, 40.249, 55.957



36, 40.249, 105.957



36, 40.249, 235.957



36, 40.249, 285.957

Sweetspot

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



36, 40.248, 55.960



62, 12.959, 60.198



30, 48.354, 345.578



31, 9.015, 59.925



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



36, 40.248, 55.960



43, 60.637, 54.026



49, 46.732, 97.140



26, 2.418, 61.480



31, 53.205, 53.467



0, 0.000, 0.000

Inverse Universe

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



37, 27.353, 258.510



44, 38.874, 265.920



22, 57.036, 298.648



26, 2.334, 243.436



32, 33.592, 268.882



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 36, 40.249, 55.957 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 ✓ Pass

Black Background



This preview shows how the CIELCh color 36, 40.249, 55.957 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

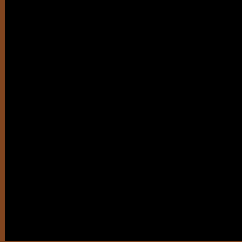
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 40.249, 55.957

Background



This preview shows how black text looks on a background with the CIELCh color 36, 40.249, 55.957.



This preview shows how white text looks on a background with the CIELCh color 36, 40.249, 55.957.

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

36, 40.249, 55.957

Protanopia

36, 29.678, 95.489

Deuteranopia

36, 34.918, 82.115



Tritanopia
36, 30.635, 20.423

Trichromacy



Original Color
36, 40.249, 55.957

Protanomaly
36, 31.167, 78.033

Deuteranomaly
36, 36.074, 72.000

Tritanomaly
36, 32.568, 35.993

Monochromacy



Original Color
36, 40.249, 55.957

Achromatopsia
35, 0.005, 296.813

Achromatomaly
35, 13.735, 59.312

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 40.249, 55.957 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(129, 69, 31)` looks like.

```
.text, #text, p{  
    color:rgb(129, 69, 31)  
}
```

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(129, 69, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 69, 31) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 40.249, 55.957 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(129, 69, 31) }
```

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

```
.border{ border-color:rgb(129, 69, 31) }
```

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

Here you see how a box with a 4 pixel rgb(129, 69, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 69, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 69, 31);  
box-shadow:4px 4px 4px 4px rgb(129, 69,  
31) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 40.249, 55.957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 69, 31) }
```

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

```
.background{ background-color: rgb(129, 69,  
31) }
```

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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