

Converting Colors

CIELCh(36, 56.808, 4.743)

Have a look what the booklet for
CIELCh(36, 56.808, 4.743) contains.

CIELCh(36, 56.986, 4.442)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(36, 56.986, 4.442)

Conversions

Conversions Part 1

Format	Color
Hex	A31850
RGB	163, 24, 80
RGB Percent	64%, 9%, 31%
CMY	0.3610, 0.9062, 0.6865
CMYK	0.00, 0.85, 0.51, 0.36
HSL	336°, 74%, 37%
HSV	336°, 85%, 64%
XYZ	16.8627, 9.0082, 8.4300
YIQ	71.9450, 64.8680, 46.8840

Conversions

Conversions Part 2

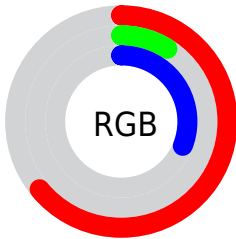
Format	Color
R_{YB}	163, 24, 80
Decimal	10688592
CIE _{Lab}	36.00, 56.81, 4.41
CIE _{LCh}	36, 56.986, 4.442
Yxy	9.0082, 0.4916, 0.2626
Android (android.graphics.Color)	4288878672 (0xFFA31850)
YUV	71.9450, 3.9711, 79.8552
Hunter-Lab	30.0136, 47.7641, 4.3567

Details

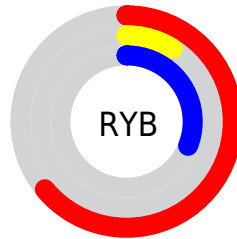
The CIELCh color **36, 56.986, 4.442** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **59, 51.946, 157.941**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 57.193, 4.381**, and **21, 44.395, 13.962** is the 20% darker color. If you saturate the color by 10%, you get **35, 59.511, 8.721**, and if you desaturate by 10%, it is **38, 53.053, 1.019**.

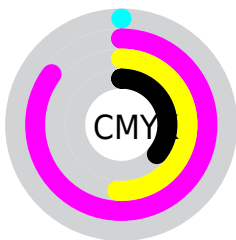
Distribution



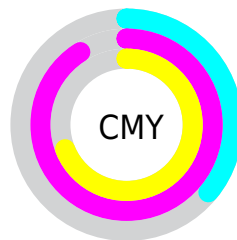
- Red (64%)
- Green (9%)
- Blue (31%)



- Red (64%)
- Yellow (9%)
- Blue (31%)



- Cyan (0%)
- Magenta (85%)
- Yellow (51%)
- Black (36%)



- Cyan (36%)
- Magenta (91%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 56.986, 4.442 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, 56.986, 4.442 by changing the saturation by 10% instead.

 36, 56.986, 4.442  36, 56.986, 4.442

 100, 56.986, 4.442  26, 56.986, 4.442

 56, 56.986, 4.442  16, 56.986, 4.442

 66, 56.986, 4.442  6, 56.986, 4.442

 76, 56.986, 4.442  0, 56.986, 4.442

 86, 56.986, 4.442

 96, 56.986, 4.442

 36, 56.986, 4.442  36, 56.986, 4.442

 35, 59.511, 8.721  38, 53.053, 1.019

 34, 60.578, 10.833  41, 47.739,

358.311

■ 44, 41.323,
356.151

■ 47, 34.169,
354.395

■ 51, 26.620,
352.935

■ 56, 18.942,
351.691

■ 60, 11.321,
350.604

■ 65, 3.872, 349.594

■ 69, 3.340, 168.960

Harmonies

Complementary

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



36, 56.986, 4.442



59, 51.946, 157.941

Rectangle

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



36, 56.986, 4.442



36, 56.986, 54.442



36, 56.986, 184.442



36, 56.986, 234.442

Sweetspot

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



36, 56.983, 4.444



70, 24.097, 351.827



30, 81.136, 314.720



35, 16.513, 352.222



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



36, 56.983, 4.444



45, 73.719, 11.900



36, 64.007, 37.729



32, 4.149, 349.996



30, 55.668, 10.287



1, 6.221, 351.607

Inverse Universe

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



36, 56.983, 4.444



45, 73.719, 11.900



57, 31.599, 208.973



32, 4.149, 349.996



30, 55.668, 10.287



1, 6.221, 351.607

Previews

White Background



This preview shows how the CIELCh color 36, 56.986, 4.442 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 CIE LCh color 36, 56.986, 4.442 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, 56.986, 4.442

Background



This preview shows how black text looks on a background with the CIELCh color 36, 56.986, 4.442.



This preview shows how white text looks on a background with the CIELCh color 36, 56.986, 4.442.

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, 56.986, 4.442

Protanopia

37, 16.806, 285.303

Deuteranopia

37, 9.634, 59.659



Tritanopia
36, 58.376, 31.645

Trichromacy



Original Color
36, 56.986, 4.442

Protanomaly
34, 29.492, 333.669

Deuteranomaly
34, 27.886, 7.045

Tritanomaly
36, 56.472, 22.041

Monochromacy



Original Color
36, 56.986, 4.442

Achromatopsia
31, 0.005, 296.813

Achromatomaly
30, 25.012, 354.648

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 56.986, 4.442 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(163, 24, 80)` looks like.

```
.text, #text, p{  
    color:rgb(163, 24, 80)  
}
```

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(163, 24, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 24, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 56.986, 4.442 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(163, 24, 80) }
```

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

```
.border{ border-color:rgb(163, 24, 80) }
```

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

Here you see how a box with a 4 pixel rgb(163, 24, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 24, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 24, 80);  
box-shadow:4px 4px 4px 4px rgb(163, 24,  
80) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 56.986, 4.442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 24, 80) }
```

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

```
.background{ background-color: rgb(163, 24,  
80) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor