

Converting Colors

CIELCh(18, 36.180, 49.354)

Have a look what the booklet for
CIELCh(18, 36.180, 49.354) contains.

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Color

CIELCh(18, 36.069, 48.494)

Conversions

Conversions Part 1

Format	Color
Hex	511B00
RGB	81, 27, 0
RGB Percent	32%, 11%, 0%
CMY	0.6830, 0.8947, 1.0000
CMYK	0.00, 0.67, 1.00, 0.68
HSL	20°, 100%, 16%
HSV	20°, 100%, 32%
XYZ	3.7658, 2.5180, 0.2813
YIQ	40.0680, 40.8510, 3.0510

Conversions

Conversions Part 2

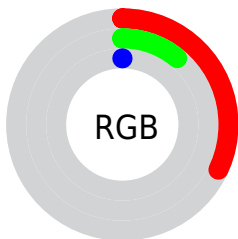
Format	Color
RYB	81, 41, 0
Decimal	5315328
CIELab	18.00, 23.90, 27.01
CIELCh	18, 36.069, 48.494
Yxy	2.5180, 0.5736, 0.3836
Android (android.graphics.Color)	4283505408 (0xFF511B00)
YUV	40.0680, -19.7535, 35.8974
Hunter-Lab	15.8683, 14.5909, 10.0570

Details

The CIELCh color **18, 36.069, 48.494** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **21, 21.423, 256.960**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 35.970, 48.455**, and **2, 11.236, 17.348** is the 20% darker color. If you saturate the color by 10%, you get **18, 36.009, 48.395**, and if you desaturate by 10%, it is **19, 32.850, 49.813**.

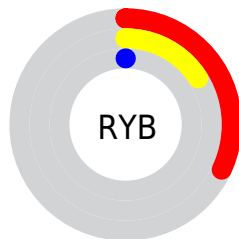
Distribution



Red (32%)

Green (11%)

Blue (0%)



Red (32%)

Yellow (16%)

Blue (0%)

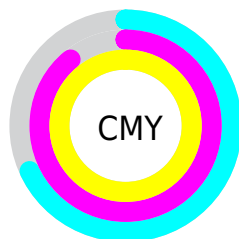


Cyan (0%)

Magenta (67%)

Yellow (100%)

Black (68%)



Cyan (68%)

Magenta (89%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 36.069, 48.494 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 18, 36.069, 48.494 by changing the saturation by 10% instead.

 18, 36.069, 48.494

 18, 36.069, 48.494

 100, 36.069,
48.494

 8, 36.069, 48.494

 38, 36.069, 48.494

 0, 36.069, 48.494

 48, 36.069, 48.494

 58, 36.069, 48.494

 68, 36.069, 48.494

 78, 36.069, 48.494

 88, 36.069, 48.494

 98, 36.069, 48.494

■ 18, 36.069, 48.494

■ 18, 36.069, 48.494

■ 18, 36.009, 48.395

■ 19, 32.850, 49.813

■ 21, 29.326, 51.285

■ 22, 25.020, 51.661

■ 24, 20.798, 52.015

■ 25, 16.769, 52.437

■ 27, 12.969, 52.935

■ 29, 9.402, 53.502

■ 31, 6.061, 54.122

■ 33, 2.933, 54.757

Harmonies

Complementary

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



18, 36.069, 48.494



21, 21.423, 256.960

Rectangle

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



18, 36.069, 48.494



18, 36.069, 98.494



18, 36.069, 228.494



18, 36.069, 278.494

Sweetspot

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



18, 36.009, 48.395



37, 11.671, 53.440



16, 40.342, 344.177



18, 8.094, 53.298



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



18, 36.009, 48.395



24, 45.978, 49.638



28, 37.558, 90.594



15, 1.645, 54.833



55, 86.977, 48.550

Inverse Universe

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



21, 21.423, 256.960



28, 26.062, 258.884



8, 47.827, 300.555



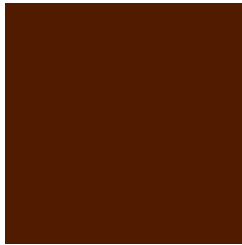
16, 1.583, 236.345



61, 48.569, 262.697

Previews

White Background



This preview shows how the CIELCh color 18, 36.069, 48.494 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 18, 36.069, 48.494 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

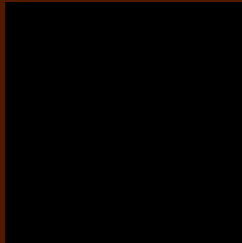
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 36.069, 48.494

Background



This preview shows how black text looks on a background with the CIELCh color 18, 36.069, 48.494.



This preview shows how white text looks on a background with the CIELCh color 18, 36.069, 48.494.

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

18, 36.069, 48.494

Protanopia

19, 23.165, 97.609

Deuteranopia

18, 26.673, 85.306



Tritanopia
18, 29.519, 27.069

Trichromacy



Original Color
18, 36.069, 48.494

Protanomaly
18, 24.683, 72.478

Deuteranomaly
18, 28.143, 67.981

Tritanomaly
18, 31.814, 37.717

Monochromacy



Original Color
18, 36.069, 48.494

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 13.307, 52.509

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 36.069, 48.494 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(81, 27, 0)` looks like.

```
.text, #text, p{  
    color:rgb(81, 27, 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(81, 27, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 27, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 36.069, 48.494 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(81, 27, 0) }
```

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

```
.border{ border-color:rgb(81, 27, 0) }
```

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

Here you see how a box with a 4 pixel rgb(81, 27, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 27, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(81, 27, 0); box-shadow:4px  
4px 4px 4px rgb(81, 27, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 36.069, 48.494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 27, 0) }
```

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

```
.background{ background-color: rgb(81, 27,  
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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