

Converting Colors

CIELCh(18, 36.476, 327.469)

Have a look what the booklet for
CIELCh(18, 36.476, 327.469)
contains.

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Color

CIELCh(18, 36.372, 327.445)

Conversions

Conversions Part 1

Format	Color
Hex	491849
RGB	73, 24, 73
RGB Percent	29%, 9%, 29%
CMY	0.7151, 0.9072, 0.7151
CMYK	0.00, 0.67, 0.00, 0.72
HSL	300°, 51%, 19%
HSV	300°, 67%, 28%
XYZ	4.2314, 2.5180, 6.5068
YIQ	44.2370, 13.4750, 25.6270

Conversions

Conversions Part 2

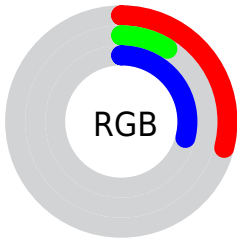
Format	Color
R_YB	73, 24, 73
Decimal	4790345
CIE Lab	18.00, 30.66, -19.57
CIE LCh	18, 36.372, 327.445
Yxy	2.5180, 0.3192, 0.1900
Android (android.graphics.Color)	4282980425 (0xFF491849)
YUV	44.2370, 14.1802, 25.2252
Hunter-Lab	15.8683, 19.8287, -13.2041

Details

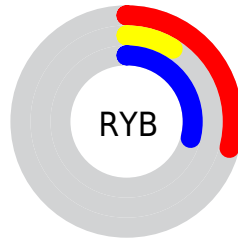
The CIELCh color **18, 36.372, 327.445** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **27, 36.769, 139.188**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 36.454, 327.143**, and **3, 19.804, 324.971** is the 20% darker color. If you saturate the color by 10%, you get **17, 40.216, 327.740**, and if you desaturate by 10%, it is **19, 31.823, 327.089**.

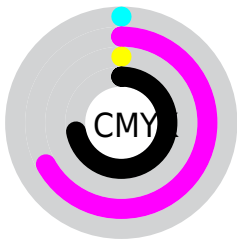
Distribution



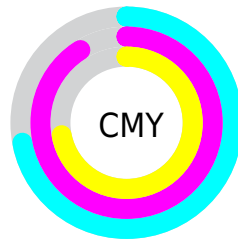
- Red (29%)
- Green (9%)
- Blue (29%)



- Red (29%)
- Yellow (9%)
- Blue (29%)



- Cyan (0%)
- Magenta (67%)
- Yellow (0%)
- Black (72%)




- Cyan (72%)
- Magenta (91%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 36.372, 327.445 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, 36.372, 327.445 by changing the saturation by 10% instead.

 18, 36.372,
327.445

 18, 36.372,
327.445

 100, 36.372,
327.445

 8, 36.372, 327.445

 38, 36.372,
327.445

 0, 36.372, 327.445

 48, 36.372,
327.445

 58, 36.372,
327.445


 68, 36.372,
327.445


 78, 36.372,
327.445


 88, 36.372,


327.445


 98, 36.372,
327.445


 18, 36.372,
327.445


 18, 36.372,
327.445


 17, 40.216,
327.740


 19, 31.823,
327.089


 16, 43.213,
327.965

 21, 26.749,
326.682

 15, 45.968,
328.169

 23, 21.320,
326.236

 15, 46.703,
328.223

 25, 15.683,
325.764

 27, 9.957, 325.275

■ 29, 4.230, 324.769

■ 31, 1.435, 144.399

■ 34, 6.997, 143.853

■ 36, 12.431,
143.383

Harmonies

Complementary

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



18, 36.372, 327.445



27, 36.769, 139.188

Rectangle

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



18, 36.372, 327.445



18, 36.372, 17.445



18, 36.372, 147.445



18, 36.372, 197.445

Sweetspot

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



18, 36.371, 327.445



35, 14.188, 325.439



12, 34.658, 299.123



16, 9.764, 325.509



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



18, 36.371, 327.445



22, 50.595, 327.898



17, 26.834, 349.650



13, 3.122, 324.827



22, 57.933, 328.222



54, 105.824, 328.221

Inverse Universe

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



16, 26.398, 27.559



20, 40.075, 32.158



27, 25.591, 155.993



13, 1.799, 19.765



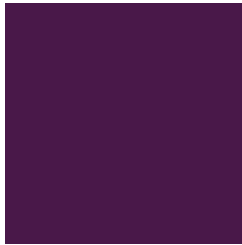
19, 49.396, 35.611



47, 95.746, 39.991

Previews

White Background



This preview shows how the CIELCh color 18, 36.372, 327.445 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 18, 36.372, 327.445 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, 36.372, 327.445

Background



This preview shows how black text looks on a background with the CIELCh color 18, 36.372, 327.445.



This preview shows how white text looks on a background with the CIELCh color 18, 36.372, 327.445.

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, 36.372, 327.445

Protanopia

19, 33.175, 284.874

Deuteranopia

19, 16.784, 280.415



Tritanopia
18, 17.440, 19.586

Trichromacy



Original Color
18, 36.372, 327.445

Protanomaly
17, 33.188, 295.920

Deuteranomaly
17, 23.312, 305.899

Tritanomaly
18, 21.689, 349.740

Monochromacy



Original Color
18, 36.372, 327.445

Achromatopsia
18, 0.003, 296.813

Achromatomaly
17, 14.030, 325.886

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 36.372, 327.445 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(73, 24, 73)` looks like.

```
.text, #text, p{  
    color:rgb(73, 24, 73)  
}
```

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(73, 24, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 24, 73) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 36.372, 327.445 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(73, 24, 73) }
```

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

```
.border{ border-color:rgb(73, 24, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 24, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 24, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 24, 73);  
box-shadow:4px 4px 4px 4px rgb(73, 24, 73)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 36.372, 327.445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 24, 73) }
```

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

```
.background{ background-color: rgb(73, 24,  
73) }
```

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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