

Converting Colors

CIELCh(24, 49.815, 346.262)

Have a look what the booklet for
CIELCh(24, 49.815, 346.262)
contains.

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Color

CIELCh(24, 49.763, 346.011)

Conversions

Conversions Part 1

Format	Color
Hex	71024C
RGB	113, 2, 76
RGB Percent	44%, 1%, 30%
CMY	0.5560, 0.9908, 0.7012
CMYK	0.00, 0.98, 0.33, 0.56
HSL	320°, 96%, 23%
HSV	320°, 98%, 44%
XYZ	8.1741, 4.1002, 7.2318
YIQ	43.6250, 42.4020, 46.5460

Conversions

Conversions Part 2

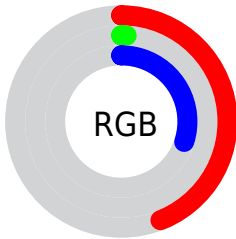
Format	Color
RYB	113, 2, 76
Decimal	7406156
CIELab	24.00, 48.29, -12.03
CIELCh	24, 49.763, 346.011
Yxy	4.1002, 0.4191, 0.2102
Android (android.graphics.Color)	4285596236 (0xFF71024C)
YUV	43.6250, 15.9609, 60.8419
Hunter-Lab	20.2490, 36.6213, -7.0007

Details

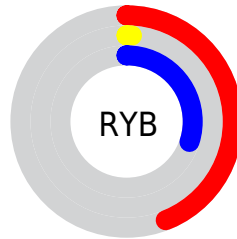
The CIELCh color **24, 49.763, 346.011** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **41, 54.811, 143.556**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **44, 49.817, 345.755**, and **10, 31.252, 354.278** is the 20% darker color. If you saturate the color by 10%, you get **24, 50.093, 346.368**, and if you desaturate by 10%, it is **25, 48.212, 344.265**.

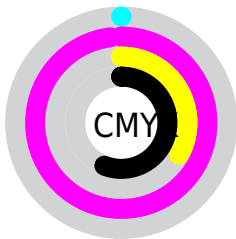
Distribution



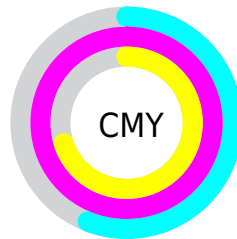
- Red (44%)
- Green (1%)
- Blue (30%)



- Red (44%)
- Yellow (1%)
- Blue (30%)



- Cyan (0%)
- Magenta (98%)
- Yellow (33%)
- Black (56%)





- Cyan (56%)
- Magenta (99%)
- Yellow (70%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 49.763, 346.011 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 24, 49.763, 346.011 by changing the saturation by 10% instead.

 24, 49.763,
346.011

 24, 49.763,
346.011

 100, 49.763,
346.011


 14, 49.763,
346.011


 44, 49.763,
346.011


 4, 49.763, 346.011

 54, 49.763,
346.011

 0, 49.763, 346.011

 64, 49.763,
346.011

 74, 49.763,
346.011

 84, 49.763,
346.011

 94, 49.763,

346.011

■ 24, 49.763,
346.011

■ 24, 49.763,
346.011

■ 24, 50.093,
346.368

■ 25, 48.212,
344.265

■ 26, 45.624,
342.738

■ 28, 41.728,
341.453

■ 30, 36.767,
340.345

■ 33, 31.031,
339.365

■ 36, 24.800,
338.479

■ 39, 18.302,
337.665

■ 42, 11.708,
336.905

■ 45, 5.139, 336.177

Harmonies

Complementary

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



24, 49.763, 346.011



41, 54.811, 143.556

Rectangle

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



24, 49.763, 346.011



24, 49.763, 36.011



24, 49.763, 166.011



24, 49.763, 216.011

Sweetspot

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



24, 49.761, 346.012



50, 23.664, 337.810



14, 69.382, 309.109



24, 16.126, 338.076



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



24, 49.761, 346.012



32, 60.440, 347.020



22, 50.069, 28.486



22, 3.624, 336.255



25, 52.110, 346.518



55, 88.043, 347.946

Inverse Universe

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



24, 49.761, 346.012



32, 60.440, 347.020



42, 32.161, 175.430



22, 3.624, 336.255



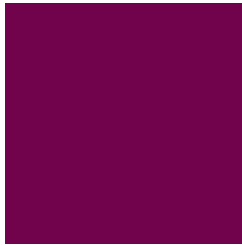
25, 52.110, 346.518



55, 88.043, 347.946

Previews

White Background



This preview shows how the CIELCh color 24, 49.763, 346.011 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 24, 49.763, 346.011 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

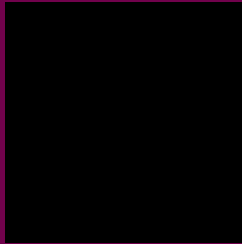
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 49.763, 346.011

Background



This preview shows how black text looks on a background with the CIELCh color 24, 49.763, 346.011.



This preview shows how white text looks on a background with the CIELCh color 24, 49.763, 346.011.

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

24, 49.763, 346.011

Protanopia

26, 32.952, 285.759

Deuteranopia

25, 7.961, 297.897



Tritanopia
25, 40.401, 29.261

Trichromacy



Original Color
24, 49.763, 346.011

Protanomaly
21, 40.155, 310.686

Deuteranomaly
22, 28.414, 332.408

Tritanomaly
24, 41.272, 10.982

Monochromacy



Original Color
24, 49.763, 346.011

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 24.785, 339.518

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 49.763, 346.011 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(113, 2, 76)` looks like.

```
.text, #text, p{  
    color:rgb(113, 2, 76)  
}
```

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(113, 2, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 2, 76) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 49.763, 346.011 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(113, 2, 76) }
```

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

```
.border{ border-color:rgb(113, 2, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 2, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 2, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 2, 76);  
box-shadow:4px 4px 4px 4px rgb(113, 2, 76)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 49.763, 346.011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 2, 76) }
```

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

```
.background{ background-color: rgb(113, 2,  
76) }
```

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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