

Converting Colors

CIELCh(24, 50.680, 346.109)

Have a look what the booklet for
CIELCh(24, 50.680, 346.109)
contains.

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Color

CIELCh(24, 50.353, 346.336)

Conversions

Conversions Part 1

Format	Color
Hex	72004C
RGB	114, 0, 76
RGB Percent	45%, 0%, 30%
CMY	0.5529, 0.9999, 0.7019
CMYK	0.00, 1.00, 0.33, 0.55
HSL	320°, 100%, 22%
HSV	320°, 100%, 45%
XYZ	8.2455, 4.1002, 7.1957
YIQ	42.7500, 43.5480, 47.8040

Conversions

Conversions Part 2

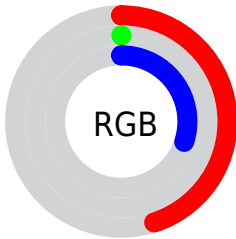
Format	Color
RYB	114, 0, 76
Decimal	7471180
CIELab	24.00, 48.93, -11.89
CIELCh	24, 50.353, 346.336
Yxy	4.1002, 0.4219, 0.2098
Android (android.graphics.Color)	4285661260 (0xFF72004C)
YUV	42.7500, 16.3923, 62.4862
Hunter-Lab	20.2490, 37.2507, -6.8952

Details

The CIELCh color **24, 50.353, 346.336** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **41, 55.884, 143.190**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **44, 50.291, 346.496**, and **10, 31.252, 354.278** is the 20% darker color. If you saturate the color by 10%, you get **24, 50.354, 346.340**, and if you desaturate by 10%, it is **25, 48.841, 344.587**.

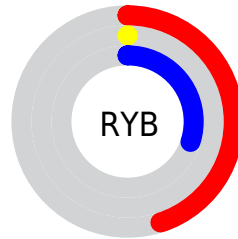
Distribution



Red (45%)

Green (0%)

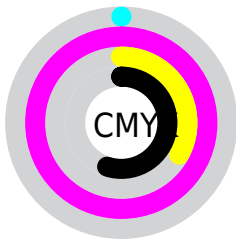
Blue (30%)



Red (45%)

Yellow (0%)

Blue (30%)

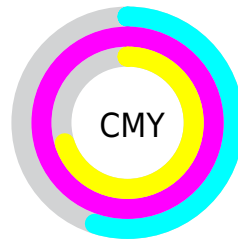


Cyan (0%)

Magenta (100%)

Yellow (33%)

Black (55%)



Cyan (55%)


Magenta (100%)


Yellow (70%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 50.353, 346.336 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, 50.353, 346.336 by changing the saturation by 10% instead.

 24, 50.353,
346.336

 24, 50.353,
346.336

 100, 50.353,
346.336

 14, 50.353,
346.336


 44, 50.353,
346.336


 4, 50.353, 346.336

 54, 50.353,
346.336

 0, 50.353, 346.336

 64, 50.353,
346.336

 74, 50.353,
346.336

 84, 50.353,
346.336

 94, 50.353,

346.336

■ 24, 50.353,
346.336

■ 24, 50.353,
346.336

■ 24, 50.354,
346.340

■ 25, 48.841,
344.587

■ 26, 46.536,
343.001

■ 28, 42.878,
341.673

■ 30, 38.088,
340.534

■ 33, 32.457,
339.531

■ 35, 26.271,
338.628

■ 38, 19.772,
337.800

■ 41, 13.147,
337.031

■ 45, 6.525, 336.300

Harmonies

Complementary

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



24, 50.353, 346.336



41, 55.884, 143.190

Rectangle

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



24, 50.353, 346.336



24, 50.353, 36.336



24, 50.353, 166.336



24, 50.353, 216.336

Sweetspot

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



24, 50.351, 346.337



49, 24.489, 337.864



13, 70.888, 309.211



23, 16.590, 338.124



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, 50.351, 346.337



32, 60.462, 346.972



22, 51.244, 29.321



22, 3.626, 336.228



25, 52.129, 346.471



55, 88.076, 347.895

Inverse Universe

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



24, 50.351, 346.337



32, 60.462, 346.972



43, 32.623, 175.136



22, 3.626, 336.228



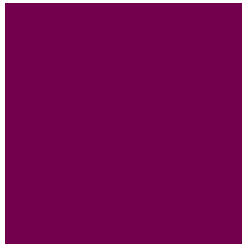
25, 52.129, 346.471



55, 88.076, 347.895

Previews

White Background



This preview shows how the CIE LCh color 24, 50.353, 346.336 looks on a white background.

Color Contrast Check

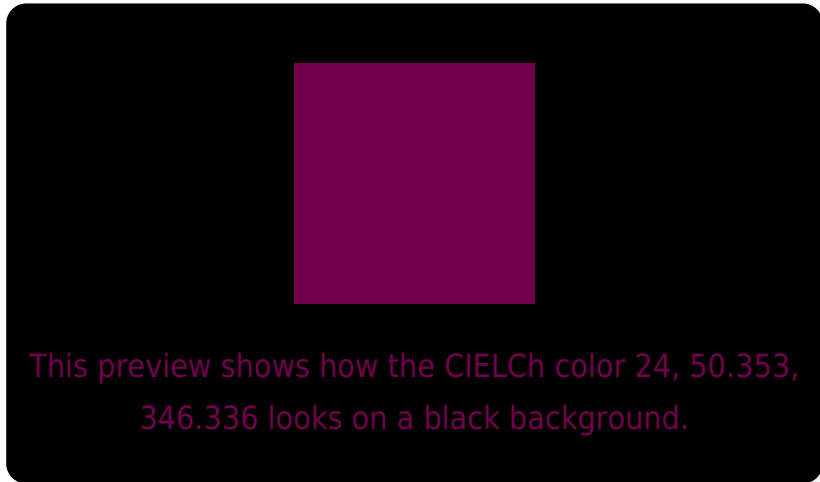
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

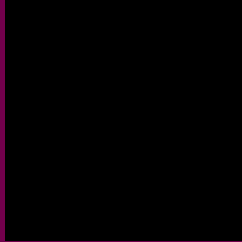
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 50.353, 346.336

Background



This preview shows how black text looks on a background with the CIELCh color 24, 50.353, 346.336.



This preview shows how white text looks on a background with the CIELCh color 24, 50.353, 346.336.

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, 50.353, 346.336

Protanopia

26, 32.919, 286.147

Deuteranopia

26, 8.021, 300.925



Tritanopia
25, 40.857, 29.370

Trichromacy



Original Color
24, 50.353, 346.336

Protanomaly
22, 40.179, 311.184

Deuteranomaly
22, 28.617, 333.188

Tritanomaly
24, 41.917, 11.049

Monochromacy



Original Color
24, 50.353, 346.336

Achromatopsia
18, 0.003, 296.813

Achromatomaly
17, 25.727, 340.201

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 50.353, 346.336 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(114, 0, 76)` looks like.

```
.text, #text, p{  
    color:rgb(114, 0, 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(114, 0, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 0, 76) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 50.353, 346.336 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(114, 0, 76) }
```

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

```
.border{ border-color:rgb(114, 0, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 0, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 0, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 0, 76);  
box-shadow:4px 4px 4px 4px rgb(114, 0, 76)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 50.353, 346.336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 0, 76) }
```

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

```
.background{ background-color: rgb(114, 0,  
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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