

Converting Colors

CIELCh(24, 48.884, 354.397)

Have a look what the booklet for
CIELCh(24, 48.884, 354.397)
contains.

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Color

CIELCh(24, 48.565, 354.090)

Conversions

Conversions Part 1

Format	Color
Hex	740042
RGB	116, 0, 66
RGB Percent	45%, 0%, 26%
CMY	0.5453, 1.0000, 0.7414
CMYK	0.00, 1.00, 0.43, 0.55
HSL	326°, 100%, 23%
HSV	326°, 100%, 45%
XYZ	8.1763, 4.1002, 5.5077
YIQ	42.2080, 47.9500, 45.1180

Conversions

Conversions Part 2

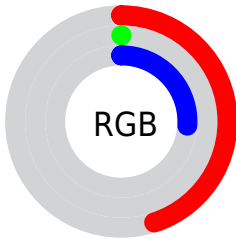
Format	Color
R_{YB}	116, 0, 66
Decimal	7602242
CIE _{Lab}	24.00, 48.31, -5.00
CIE _{LCh}	24, 48.565, 354.090
Yxy	4.1002, 0.4598, 0.2306
Android (android.graphics.Color)	4285792322 (0xFF740042)
YUV	42.2080, 11.7295, 64.7156
Hunter-Lab	20.2490, 36.6406, -1.9524

Details

The CIELCh color **24, 48.565, 354.090** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **42, 52.094, 146.951**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **44, 48.361, 353.997**, and **10, 31.041, 6.302** is the 20% darker color. If you saturate the color by 10%, you get **24, 48.546, 354.098**, and if you desaturate by 10%, it is **25, 46.992, 351.552**.

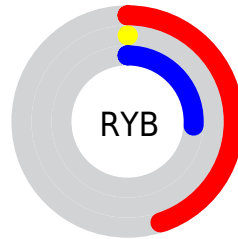
Distribution



Red (45%)

Green (0%)

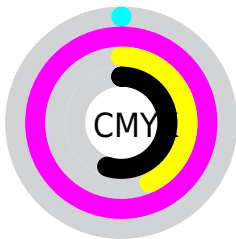
Blue (26%)



Red (45%)

Yellow (0%)

Blue (26%)

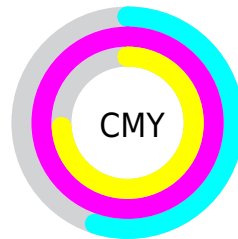


Cyan (0%)

Magenta (100%)

Yellow (43%)

Black (55%)



Cyan (55%)


Magenta (100%)

Yellow (74%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 48.565, 354.090 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, 48.565, 354.090 by changing the saturation by 10% instead.

 24, 48.565,
354.090

 24, 48.565,
354.090

 100, 48.565,
354.090

 14, 48.565,
354.090

 44, 48.565,
354.090

 4, 48.565, 354.090

 54, 48.565,
354.090

 0, 48.565, 354.090

 64, 48.565,
354.090

 74, 48.565,
354.090

 84, 48.565,
354.090

 94, 48.565,

354.090

■ 24, 48.565,
354.090

■ 24, 48.565,
354.090

■ 24, 48.546,
354.098

■ 25, 46.992,
351.552

■ 26, 44.696,
349.282

■ 28, 41.108,
347.444

■ 30, 36.443,
345.925

■ 33, 30.989,
344.641

■ 36, 25.029,
343.527

■ 39, 18.800,
342.540

■ 42, 12.479,
341.648

■ 45, 6.187, 340.821

Harmonies

Complementary

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



24, 48.565, 354.090



42, 52.094, 146.951

Rectangle

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



24, 48.565, 354.090



24, 48.565, 44.090



24, 48.565, 174.090



24, 48.565, 224.090

Sweetspot

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



24, 48.546, 354.098



50, 23.275, 342.611



15, 70.623, 310.622



24, 16.005, 342.931



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



24, 48.546, 354.098



32, 58.366, 355.025



23, 54.297, 34.095



23, 3.512, 340.743



26, 50.417, 354.306



54, 84.748, 356.359

Inverse Universe

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



24, 48.546, 354.098



32, 58.366, 355.025



44, 30.093, 184.886



23, 3.512, 340.743



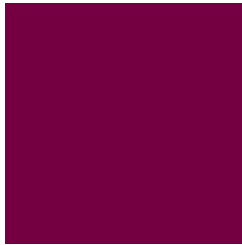
26, 50.417, 354.306



54, 84.748, 356.359

Previews

White Background



This preview shows how the CIE LCh color 24, 48.565, 354.090 looks on a white background.

Color Contrast Check

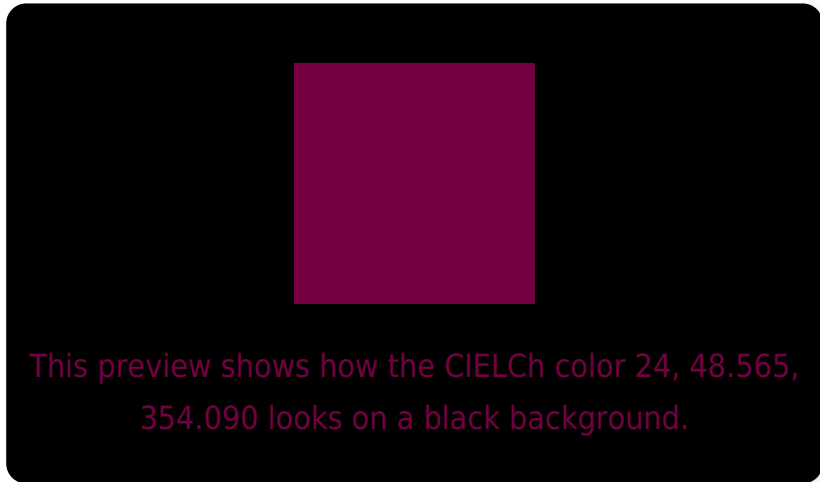
Large Text (above 18pt) WCAG AA ✓ Pass

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

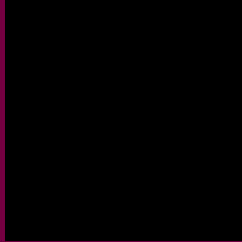
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 48.565, 354.090

Background



This preview shows how black text looks on a background with the CIELCh color 24, 48.565, 354.090.



This preview shows how white text looks on a background with the CIELCh color 24, 48.565, 354.090.

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, 48.565, 354.090

Protanopia

26, 23.105, 284.611

Deuteranopia

26, 3.892, 0.471



Tritanopia
25, 44.346, 30.861

Trichromacy



Original Color
24, 48.565, 354.090

Protanomaly
22, 33.037, 319.711

Deuteranomaly
23, 25.849, 347.176

Tritanomaly
24, 44.055, 16.711

Monochromacy



Original Color
24, 48.565, 354.090

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 24.294, 345.331

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 48.565, 354.090 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(116, 0, 66)` looks like.

```
.text, #text, p{  
    color:rgb(116, 0, 66)  
}
```

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(116, 0, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 0, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 48.565, 354.090 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(116, 0, 66) }
```

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

```
.border{ border-color:rgb(116, 0, 66) }
```

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

Here you see how a box with a 4 pixel rgb(116, 0, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 0, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 0, 66);  
box-shadow:4px 4px 4px 4px rgb(116, 0, 66)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 48.565, 354.090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 0, 66) }
```

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

```
.background{ background-color: rgb(116, 0,  
66) }
```

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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