

Converting Colors

CIELCh(24, 68.186, 84.367)

Have a look what the booklet for
CIELCh(24, 68.186, 84.367) contains.

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Color

CIELCh(24, 34.314, 77.245)

Conversions

Conversions Part 1

Format	Color
Hex	4F3400
RGB	79, 52, 0
RGB Percent	31%, 20%, 0%
CMY	0.6908, 0.7966, 1.0000
CMYK	0.00, 0.34, 1.00, 0.69
HSL	39°, 100%, 15%
HSV	39°, 100%, 31%
XYZ	4.4338, 4.1002, 0.5532
YIQ	54.1450, 32.7840, -10.4480

Conversions

Conversions Part 2

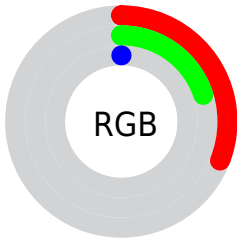
Format	Color
RYB	41, 79, 0
Decimal	5190656
CIELab	24.00, 7.58, 33.47
CIELCh	24, 34.314, 77.245
Yxy	4.1002, 0.4879, 0.4512
Android (android.graphics.Color)	4283380736 (0xFF4F3400)
YUV	54.1450, -26.6935, 21.7978
Hunter-Lab	20.2490, 3.6490, 12.5546

Details

The CIELCh color **24, 34.314, 77.245** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **12, 37.382, 292.480**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **44, 34.210, 76.592**, and **4, 10.126, 37.979** is the 20% darker color. If you saturate the color by 10%, you get **24, 34.254, 77.213**, and if you desaturate by 10%, it is **25, 31.622, 78.729**.

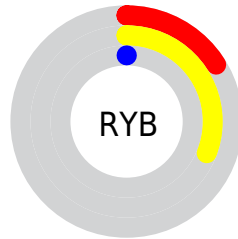
Distribution



Red (31%)

Green (20%)

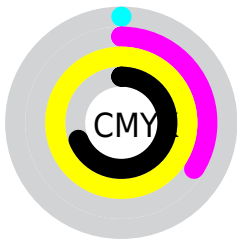
Blue (0%)



Red (16%)

Yellow (31%)

Blue (0%)

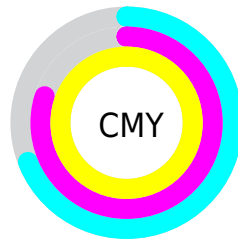


Cyan (0%)

Magenta (34%)

Yellow (100%)

Black (69%)



Cyan (69%)

Magenta (80%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 24, 34.314, 77.245 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, 34.314, 77.245 by changing the saturation by 10% instead.

 24, 34.314, 77.245

 24, 34.314, 77.245

 100, 34.314,
77.245

 14, 34.314, 77.245

 44, 34.314, 77.245

 4, 34.314, 77.245

 54, 34.314, 77.245

 0, 34.314, 77.245

 64, 34.314, 77.245

 74, 34.314, 77.245

 84, 34.314, 77.245

 94, 34.314, 77.245

 24, 34.314, 77.245

 24, 34.314, 77.245

■ 24, 34.254, 77.213

■ 25, 31.622, 78.729

■ 26, 28.731, 80.338

■ 27, 25.344, 81.781

■ 28, 21.729, 83.134

■ 28, 18.026, 84.433

■ 29, 14.314, 85.693

■ 30, 10.639, 86.918

■ 31, 7.022, 88.109

■ 32, 3.473, 89.252

Harmonies

Complementary

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



24, 34.314, 77.245



12, 37.382, 292.480

Rectangle

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



24, 34.314, 77.245



24, 34.314, 127.245



24, 34.314, 257.245



24, 34.314, 307.245

Sweetspot

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



24, 34.254, 77.213



39, 13.176, 86.790



14, 36.182, 11.062



19, 8.895, 86.523



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



24, 34.254, 77.213



31, 42.139, 76.557



31, 41.923, 111.142



15, 1.887, 89.404



69, 76.179, 74.361

Inverse Universe

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



12, 37.382, 292.480



16, 46.369, 293.919



6, 55.139, 306.864



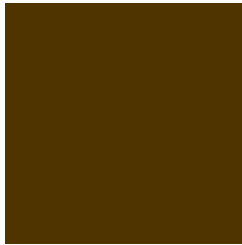
14, 1.887, 271.464



40, 90.377, 296.620

Previews

White Background



This preview shows how the CIE LCh color 24, 34.314, 77.245 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, 34.314, 77.245 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, 34.314, 77.245

Background



This preview shows how black text looks on a background with the CIELCh color 24, 34.314, 77.245.



This preview shows how white text looks on a background with the CIELCh color 24, 34.314, 77.245.

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, 34.314, 77.245

Protanopia

24, 31.178, 96.432

Deuteranopia

24, 33.389, 85.776



Tritanopia
24, 16.109, 13.684

Trichromacy



Original Color
24, 34.314, 77.245

Protanomaly
24, 31.916, 89.362

Deuteranomaly
24, 33.597, 82.867

Tritanomaly
24, 20.060, 52.869

Monochromacy



Original Color
24, 34.314, 77.245

Achromatopsia
23, 0.004, 296.813

Achromatomaly
23, 13.683, 84.926

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 34.314, 77.245 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(79, 52, 0)` looks like.

```
.text, #text, p{  
    color:rgb(79, 52, 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(79, 52, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 52, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 34.314, 77.245 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(79, 52, 0) }
```

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

```
.border{ border-color:rgb(79, 52, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 52, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 52, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(79, 52, 0); box-shadow:4px  
4px 4px 4px rgb(79, 52, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 24, 34.314, 77.245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 52, 0) }
```

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

```
.background{ background-color: rgb(79, 52,  
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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