

Converting Colors

CIELCh(24, 41.872, 336.118)

Have a look what the booklet for
CIELCh(24, 41.872, 336.118)
contains.

CIELCh(24, 41.804, 336.294)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(24, 41.804, 336.294)

Conversions

Conversions Part 1

Format	Color
Hex	631C53
RGB	99, 28, 83
RGB Percent	39%, 11%, 33%
CMY	0.6120, 0.8904, 0.6747
CMYK	0.00, 0.72, 0.16, 0.61
HSL	314°, 56%, 25%
HSV	314°, 72%, 39%
XYZ	7.1115, 4.1002, 8.5885
YIQ	55.4990, 24.6610, 32.1570

Conversions

Conversions Part 2

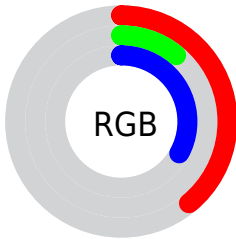
Format	Color
R_{YB}	99, 28, 83
Decimal	6495315
CIE _{Lab}	24.00, 38.28, -16.81
CIE _{LCh}	24, 41.804, 336.294
Yxy	4.1002, 0.3592, 0.2071
Android (android.graphics.Color)	4284685395 (0xFF631C53)
YUV	55.4990, 13.5580, 38.1504
Hunter-Lab	20.2490, 27.2542, -10.9731

Details

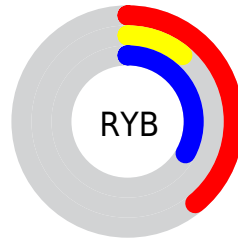
The CIELCh color **24, 41.804, 336.294** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **37, 42.752, 144.477**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **44, 42.070, 336.027**, and **7, 31.271, 338.257** is the 20% darker color. If you saturate the color by 10%, you get **23, 45.217, 337.156**, and if you desaturate by 10%, it is **26, 37.335, 335.504**.

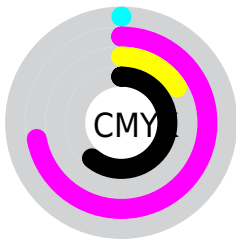
Distribution



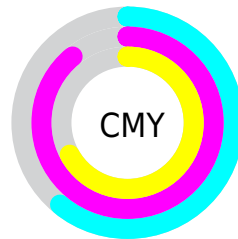
- Red (39%)
- Green (11%)
- Blue (33%)



- Red (39%)
- Yellow (11%)
- Blue (33%)



- Cyan (0%)
- Magenta (72%)
- Yellow (16%)
- Black (61%)




- Cyan (61%)
- Magenta (89%)
- Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 41.804, 336.294 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, 41.804, 336.294 by changing the saturation by 10% instead.

 24, 41.804,
336.294


 24, 41.804,
336.294

 100, 41.804,
336.294

 14, 41.804,
336.294


 44, 41.804,
336.294

 4, 41.804, 336.294

 54, 41.804,
336.294

 0, 41.804, 336.294

 64, 41.804,
336.294

 74, 41.804,
336.294

 84, 41.804,
336.294

 94, 41.804,

336.294

■ 24, 41.804,
336.294

■ 24, 41.804,
336.294

■ 23, 45.217,
337.156

■ 26, 37.335,
335.504

■ 22, 47.422,
338.119

■ 28, 32.060,
334.764

■ 21, 48.982,
338.915

■ 30, 26.232,
334.060

■ 33, 20.070,
333.385

■ 36, 13.750,
332.735

■ 38, 7.398, 332.102

■ 41, 1.102, 331.360

■ 44, 5.080, 151.000

■ 47, 11.117,
150.436

Harmonies

Complementary

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



24, 41.804, 336.294



37, 42.752, 144.477

Rectangle

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



24, 41.804, 336.294



24, 41.804, 26.294



24, 41.804, 156.294



24, 41.804, 206.294

Sweetspot

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



24, 41.802, 336.294



46, 17.128, 332.790



17, 48.394, 305.247



22, 11.412, 332.900



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



24, 41.802, 336.294



29, 56.073, 337.790



23, 33.932, 8.316



18, 3.462, 331.918



24, 53.408, 339.113



54, 92.452, 339.975

Inverse Universe

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



24, 41.802, 336.294



29, 56.073, 337.790



37, 27.618, 169.269



18, 3.462, 331.918



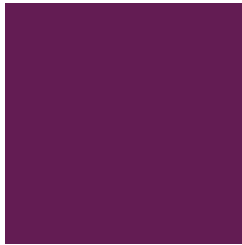
24, 53.408, 339.113



54, 92.452, 339.975

Previews

White Background



This preview shows how the CIE LCh color 24, 41.804, 336.294 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, 41.804, 336.294 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

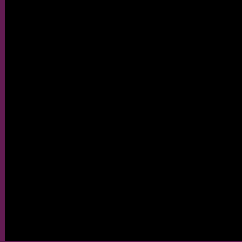
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 41.804, 336.294

Background



This preview shows how black text looks on a background with the CIELCh color 24, 41.804, 336.294.



This preview shows how white text looks on a background with the CIELCh color 24, 41.804, 336.294.

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, 41.804, 336.294

Protanopia

25, 33.168, 285.341

Deuteranopia

25, 13.936, 285.045



Tritanopia
24, 27.377, 22.060

Trichromacy



Original Color
24, 41.804, 336.294

Protanomaly
23, 34.877, 303.008

Deuteranomaly
23, 23.779, 317.237

Tritanomaly
24, 29.710, 359.565

Monochromacy



Original Color
24, 41.804, 336.294

Achromatopsia
23, 0.004, 296.813

Achromatomaly
22, 17.492, 333.809

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 41.804, 336.294 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(99, 28, 83)` looks like.

```
.text, #text, p{  
    color:rgb(99, 28, 83)  
}
```

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(99, 28, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 28, 83) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 41.804, 336.294 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(99, 28, 83) }
```

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

```
.border{ border-color:rgb(99, 28, 83) }
```

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

Here you see how a box with a 4 pixel rgb(99, 28, 83) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 28, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 28, 83);  
box-shadow:4px 4px 4px 4px rgb(99, 28, 83)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 41.804, 336.294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 28, 83) }
```

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

```
.background{ background-color: rgb(99, 28,  
83) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor