

Converting Colors

CIELCh(24, 63.943, 324.517)

Have a look what the booklet for
CIELCh(24, 63.943, 324.517)
contains.

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Color

CIELCh(24, 63.950, 324.616)

Conversions

Conversions Part 1

Format	Color
Hex	670172
RGB	103, 1, 114
RGB Percent	40%, 0%, 45%
CMY	0.5968, 0.9971, 0.5536
CMYK	0.10, 0.99, 0.00, 0.55
HSL	294°, 99%, 22%
HSV	294°, 99%, 45%
XYZ	8.6095, 4.1002, 16.2083
YIQ	44.3800, 24.5190, 56.7670

Conversions

Conversions Part 2

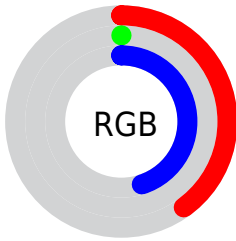
Format	Color
R_{YB}	103, 1, 114
Decimal	6750578
CIE _{Lab}	24.00, 52.14, -37.03
CIE _{LCh}	24, 63.950, 324.616
Yxy	4.1002, 0.2977, 0.1418
Android (android.graphics.Color)	4284940658 (0xFF670172)
YUV	44.3800, 34.3227, 51.4097
Hunter-Lab	20.2490, 40.4591, -33.2845

Details

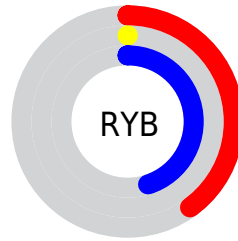
The CIELCh color **24, 63.950, 324.616** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **41, 65.226, 135.344**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **44, 64.091, 324.344**, and **10, 44.056, 321.520** is the 20% darker color. If you saturate the color by 10%, you get **24, 64.125, 324.612**, and if you desaturate by 10%, it is **25, 61.264, 324.694**.

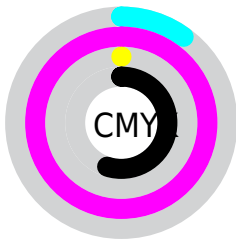
Distribution



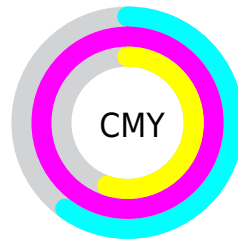
- Red (40%)
- Green (0%)
- Blue (45%)



- Red (40%)
- Yellow (0%)
- Blue (45%)



- Cyan (10%)
- Magenta (99%)
- Yellow (0%)
- Black (55%)





- Cyan (60%)
- Magenta (100%)
- Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 63.950, 324.616 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, 63.950, 324.616 by changing the saturation by 10% instead.

 24, 63.950,
324.616

 24, 63.950,
324.616

 100, 63.950,
324.616


 14, 63.950,
324.616

 44, 63.950,
324.616


 4, 63.950, 324.616

 54, 63.950,
324.616

 0, 63.950, 324.616

 64, 63.950,
324.616

 74, 63.950,
324.616

 84, 63.950,
324.616

 94, 63.950,

324.616

■ 24, 63.950,
324.616

■ 24, 63.950,
324.616

■ 24, 64.125,
324.612

■ 25, 61.264,
324.694

■ 26, 57.630,
324.689

■ 28, 52.585,
324.552

■ 30, 46.373,
324.304

■ 33, 39.298,
323.969

■ 36, 31.653,
323.573

■ 38, 23.686,
323.136

■ 42, 15.587,
322.675

■ 45, 7.494, 322.200

Harmonies

Complementary

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



24, 63.950, 324.616



41, 65.226, 135.344

Rectangle

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



24, 63.950, 324.616



24, 63.950, 14.616



24, 63.950, 144.616



24, 63.950, 194.616

Sweetspot

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



24, 63.949, 324.616



49, 29.990, 323.199



12, 68.117, 304.085



23, 20.317, 323.342



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, 63.949, 324.616



32, 77.479, 324.521



24, 48.469, 351.320



22, 4.448, 322.182



25, 66.530, 324.593



55, 113.681, 324.390

Inverse Universe

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



22, 52.899, 33.187



30, 65.548, 35.160



42, 52.601, 145.800



22, 2.667, 11.989



24, 55.440, 33.802



52, 97.978, 36.767

Previews

White Background



This preview shows how the CIELCh color 24, 63.950, 324.616 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, 63.950, 324.616 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

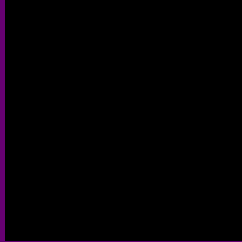
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 63.950, 324.616

Background



This preview shows how black text looks on a background with the CIELCh color 24, 63.950, 324.616.



This preview shows how white text looks on a background with the CIELCh color 24, 63.950, 324.616.

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, 63.950, 324.616

Protanopia

26, 42.913, 284.720

Deuteranopia

25, 31.128, 276.934



Tritanopia
25, 24.596, 20.548

Trichromacy



Original Color
24, 63.950, 324.616

Protanomaly
21, 54.523, 300.580

Deuteranomaly
21, 46.812, 302.756

Tritanomaly
23, 37.245, 344.013

Monochromacy



Original Color
24, 63.950, 324.616

Achromatopsia
18, 0.003, 296.813

Achromatomaly
17, 30.937, 324.175

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 63.950, 324.616 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(103, 1, 114)` looks like.

```
.text, #text, p{  
    color:rgb(103, 1, 114)  
}
```

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(103, 1, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 1, 114) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 63.950, 324.616 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(103, 1, 114) }
```

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

```
.border{ border-color:rgb(103, 1, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 1, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 1, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 1, 114);  
box-shadow:4px 4px 4px 4px rgb(103, 1,  
114) }
```

Background

The CSS property to change the background color of an element to CIELCh 24, 63.950, 324.616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 1, 114) }
```

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

```
.background{ background-color: rgb(103, 1,  
114) }
```

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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