

Converting Colors

CIELCh(24, 50.025, 32.506)

Have a look what the booklet for
CIELCh(24, 50.025, 32.506) contains.

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Color

CIELCh(24, 49.995, 32.441)

Conversions

Conversions Part 1

Format	Color
Hex	740E13
RGB	116, 14, 19
RGB Percent	45%, 5%, 7%
CMY	0.5441, 0.9438, 0.9248
CMYK	0.00, 0.88, 0.84, 0.54
HSL	357°, 78%, 26%
HSV	357°, 88%, 46%
XYZ	7.5155, 4.1002, 1.0190
YIQ	45.0680, 59.1870, 23.1790

Conversions

Conversions Part 2

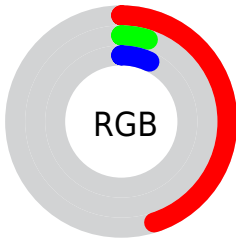
Format	Color
R_{YB}	116, 14, 19
Decimal	7605779
CIE Lab	24.00, 42.19, 26.82
CIE LCh	24, 49.995, 32.441
Yxy	4.1002, 0.5948, 0.3245
Android (android.graphics.Color)	4285795859 (0xFF740E13)
YUV	45.0680, -12.8515, 62.2074
Hunter-Lab	20.2490, 30.8155, 11.1907

Details

The CIELCh color **24, 49.995, 32.441** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **44, 28.011, 190.341**, and the grayscale version is **19, 0.003, 296.813**.

A 20% lighter version of the original color is **44, 50.122, 32.295**, and **9, 31.644, 25.619** is the 20% darker color. If you saturate the color by 10%, you get **23, 54.386, 35.222**, and if you desaturate by 10%, it is **25, 44.473, 28.703**.

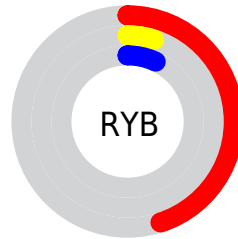
Distribution



Red (45%)

Green (5%)

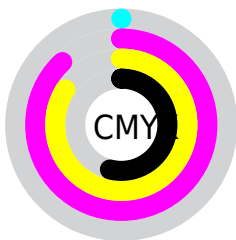
Blue (7%)



Red (45%)

Yellow (5%)

Blue (7%)

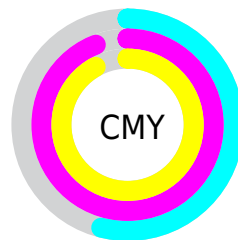


Cyan (0%)

Magenta (88%)

Yellow (84%)

Black (54%)



Cyan (54%)

Magenta (94%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 24, 49.995, 32.441 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, 49.995, 32.441 by changing the saturation by 10% instead.

■ 24, 49.995, 32.441

■ 24, 49.995, 32.441

■ 100, 49.995,
32.441

■ 14, 49.995, 32.441

■ 44, 49.995, 32.441

■ 4, 49.995, 32.441

■ 54, 49.995, 32.441

■ 0, 49.995, 32.441

■ 64, 49.995, 32.441

■ 74, 49.995, 32.441

■ 84, 49.995, 32.441

■ 94, 49.995, 32.441

■ 24, 49.995, 32.441

■ 24, 49.995, 32.441

23, 54.386, 35.222

25, 44.473, 28.703

23, 55.295, 35.600

27, 38.513, 25.469

30, 32.342, 22.839

33, 26.153, 20.754

36, 20.107, 19.114

39, 14.315, 17.818

43, 8.840, 16.777

46, 3.708, 15.894

50, 1.085, 195.659

Harmonies

Complementary

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



24, 49.995, 32.441



44, 28.011, 190.341

Rectangle

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



24, 49.995, 32.441



24, 49.995, 82.441



24, 49.995, 212.441



24, 49.995, 262.441

Sweetspot

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



24, 49.993, 32.443



51, 16.559, 17.701



27, 61.678, 326.330



25, 11.413, 18.016



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, 49.993, 32.443



31, 68.268, 37.523



32, 42.347, 59.949



23, 2.753, 16.013



24, 57.729, 36.099



52, 101.164, 38.681

Inverse Universe

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



24, 49.993, 32.443



31, 68.268, 37.523



29, 31.209, 271.347



23, 2.753, 16.013



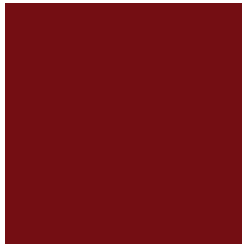
24, 57.729, 36.099



52, 101.164, 38.681

Previews

White Background



This preview shows how the CIELCh color 24, 49.995, 32.441 looks on a white background.

Color Contrast Check

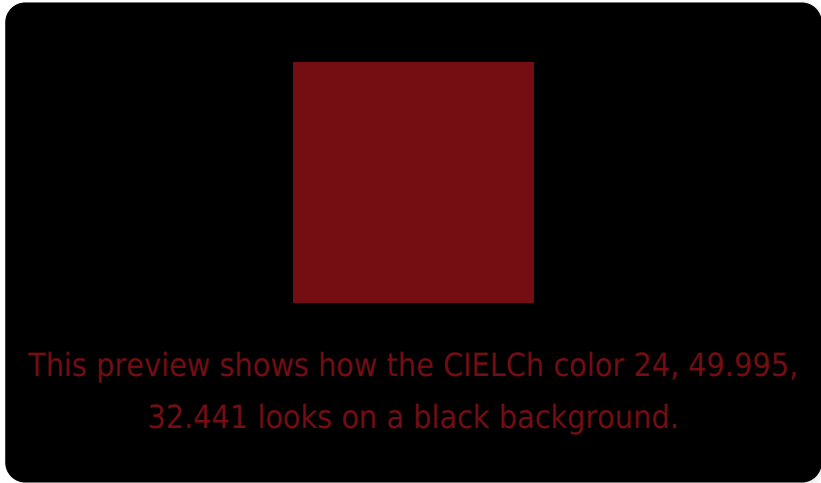
Large Text (above 18pt) WCAG AA ✓ Pass

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, 49.995, 32.441

Background



This preview shows how black text looks on a background with the CIELCh color 24, 49.995, 32.441.



This preview shows how white text looks on a background with the CIELCh color 24, 49.995, 32.441.

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, 49.995, 32.441

Protanopia

25, 19.517, 96.820

Deuteranopia

25, 31.914, 85.485



Tritanopia
24, 51.524, 35.855

Trichromacy



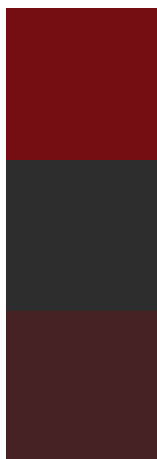
Original Color
24, 49.995, 32.441

Protanomaly
23, 25.815, 48.253

Deuteranomaly
23, 34.946, 54.371

Tritanomaly
24, 50.993, 34.916

Monochromacy



Original Color
24, 49.995, 32.441

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 19.040, 20.471

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 49.995, 32.441 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, 14, 19)` looks like.

```
.text, #text, p{  
    color:rgb(116, 14, 19)  
}
```

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, 14, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 14, 19) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 49.995, 32.441 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, 14, 19) }
```

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

```
.border{ border-color:rgb(116, 14, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 14, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 14, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 14, 19);  
box-shadow:4px 4px 4px 4px rgb(116, 14,  
19) }
```

Background

The CSS property to change the background color of an element to CIELCh 24, 49.995, 32.441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 14, 19) }
```

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

```
.background{ background-color: rgb(116, 14,  
19) }
```

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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