

Converting Colors

CIELCh(24, 4.218, 111.045)

Have a look what the booklet for
CIELCh(24, 4.218, 111.045) contains.

CIELCh(24, 4.640, 115.004)	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, 4.640, 115.004)

Conversions

Conversions Part 1

Format	Color
Hex	393A33
RGB	57, 58, 51
RGB Percent	22%, 23%, 20%
CMY	0.7775, 0.7735, 0.8010
CMYK	0.02, 0.00, 0.12, 0.77
HSL	69°, 6%, 21%
HSV	69°, 12%, 23%
XYZ	3.7656, 4.1002, 3.6966
YIQ	56.9030, 1.6510, -2.3890

Conversions

Conversions Part 2

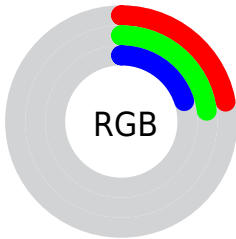
Format	Color
R_{YB}	51, 58, 52
Decimal	3750451
CIE Lab	24.00, -1.96, 4.21
CIE LCh	24, 4.640, 115.004
Yxy	4.1002, 0.3257, 0.3546
Android (android.graphics.Color)	4281940531 (0xFF393A33)
YUV	56.9030, -2.9102, 0.0851
Hunter-Lab	20.2490, -2.2406, 3.3506

Details

The CIELCh color $24, 4.640, 115.004$ is a dark color, and the websafe version is hex 333333 . A complement of this color would be $21, 4.750, 296.619$, and the grayscale version is $24, 0.004, 296.813$.

A 20% lighter version of the original color is $44, 4.791, 114.531$, and $4, 4.348, 114.821$ is the 20% darker color. If you saturate the color by 10%, you get $24, 8.453, 114.358$, and if you desaturate by 10%, it is $24, 0.808, 115.650$.

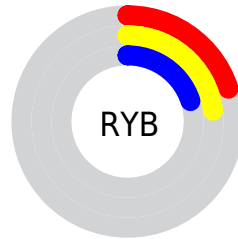
Distribution



Red (22%)

Green (23%)

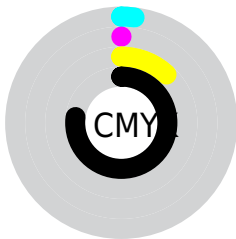
Blue (20%)



Red (20%)

Yellow (23%)

Blue (20%)

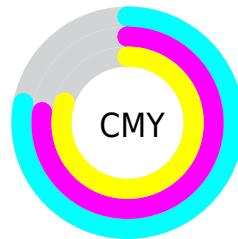


Cyan (2%)

Magenta (0%)

Yellow (12%)

Black (77%)



Cyan (78%)

Magenta (77%)

Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 24, 4.640, 115.004 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, 4.640, 115.004 by changing the saturation by 10% instead.

■ 24, 4.640, 115.004 ■ 24, 4.640, 115.004

■ 100, 4.640, 115.004 ■ 14, 4.640, 115.004

■ 44, 4.640, 115.004 ■ 4, 4.640, 115.004

■ 54, 4.640, 115.004 ■ 0, 4.640, 115.004

■ 64, 4.640, 115.004

■ 74, 4.640, 115.004

■ 84, 4.640, 115.004

■ 94, 4.640, 115.004

■ 24, 4.640, 115.004 ■ 24, 4.640, 115.004

■ 24, 8.453, 114.358

■ 24, 0.808, 115.650

■ 24, 12.224,
113.705

■ 25, 3.032, 296.282

■ 23, 15.925,
113.064

■ 25, 6.867, 296.886

■ 23, 19.513,
112.455

■ 25, 10.689,
297.466

■ 23, 22.928,
111.903

■ 25, 14.493,
298.018

■ 23, 26.088,
111.439

■ 26, 18.273,
298.543

■ 23, 28.829,
111.147

■ 26, 22.025,
299.040

■ 23, 31.179,
111.063

■ 27, 25.747,
299.508

■ 23, 33.035,
111.019

■ 27, 29.435,
299.949

Harmonies

Complementary

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



24, 4.640, 115.004



21, 4.750, 296.619

Rectangle

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



24, 4.640, 115.004



24, 4.640, 165.004



24, 4.640, 295.004



24, 4.640, 345.004

Sweetspot

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



24, 4.641, 115.011



31, 1.883, 115.521



22, 2.936, 32.107



15, 1.351, 115.497



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



24, 4.641, 115.011



31, 7.061, 114.779



24, 5.085, 133.159



10, 2.071, 115.258



36, 46.508, 110.939



83, 87.717, 111.586

Inverse Universe

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



21, 4.750, 296.619



27, 7.274, 296.889



22, 5.139, 314.005



9, 2.106, 296.343



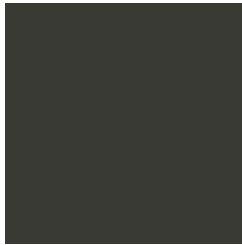
8, 62.469, 307.253



28, 118.456, 306.787

Previews

White Background



This preview shows how the CIELCh color 24, 4.640, 115.004 looks on a white background.

Color Contrast Check

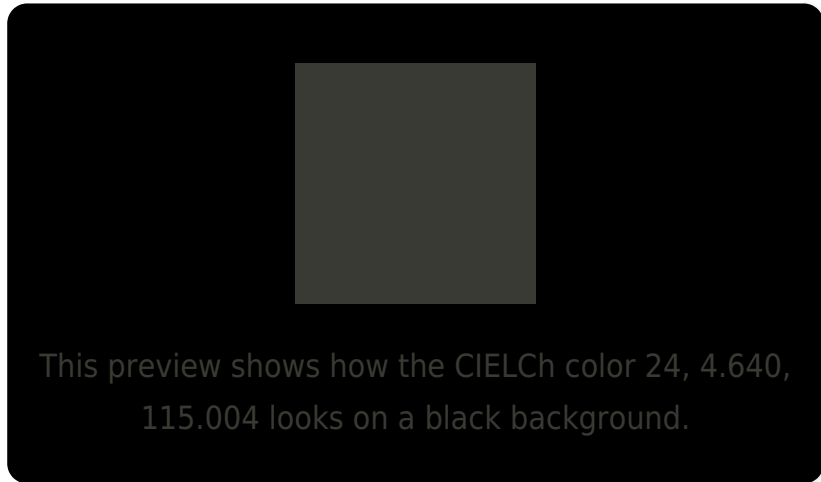
Large Text (above 18pt) WCAG AA ✓ Pass

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

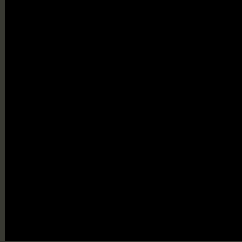
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

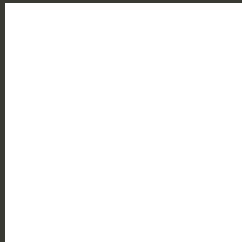
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 24, 4.640, 115.004

Background



This preview shows how black text looks on a background with the CIELCh color 24, 4.640, 115.004.

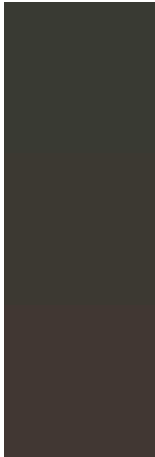


This preview shows how white text looks on a background with the CIELCh color 24, 4.640, 115.004.

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, 4.640, 115.004

Protanopia

24, 4.832, 91.911

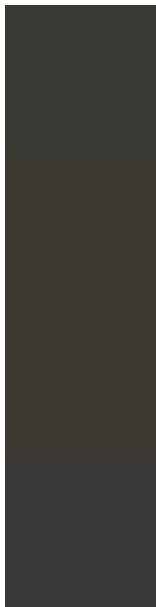
Deuteranopia

24, 5.503, 48.693



Tritanopia
24, 3.453, 305.845

Trichromacy



Original Color

24, 4.640, 115.004

Protanomaly

24, 4.714, 97.498

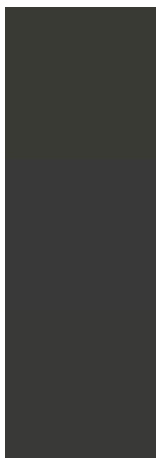
Deuteranomaly

24, 4.376, 68.528

Tritanomaly

24, 0.457, 18.991

Monochromacy



Original Color

24, 4.640, 115.004

Achromatopsia

24, 0.004, 296.813

Achromatomaly

24, 1.320, 109.872

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 4.640, 115.004 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(57, 58, 51)` looks like.

```
.text, #text, p{  
    color:rgb(57, 58, 51)  
}
```

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(57, 58, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 58, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 4.640, 115.004 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(57, 58, 51) }
```

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

```
.border{ border-color:rgb(57, 58, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 58, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 58, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 58, 51);  
box-shadow:4px 4px 4px 4px rgb(57, 58, 51)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 4.640, 115.004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 58, 51) }
```

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

```
.background{ background-color: rgb(57, 58,  
51) }
```

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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