

Converting Colors

CIELCh(24, 8.410, 88.006)

Have a look what the booklet for
CIELCh(24, 8.410, 88.006) contains.

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Color

CIELCh(24, 7.855, 86.458)

Conversions

Conversions Part 1	
Format	Color
Hex	3E382D
RGB	62, 56, 45
RGB Percent	24%, 22%, 18%
CMY	0.7552, 0.7787, 0.8219
CMYK	0.00, 0.10, 0.27, 0.76
HSL	39°, 16%, 21%
HSV	39°, 27%, 24%
XYZ	3.9301, 4.1002, 3.1084
YIQ	56.5400, 7.1070, -2.1490

Conversions

Conversions Part 2

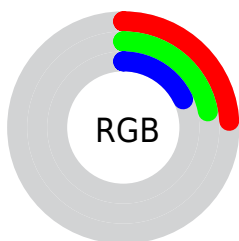
Format	Color
RYB	54, 62, 45
Decimal	4077613
CIELab	24.00, 0.49, 7.84
CIELCh	24, 7.855, 86.458
Yxy	4.1002, 0.3528, 0.3681
Android (android.graphics.Color)	4282267693 (0xFF3E382D)
YUV	56.5400, -5.6892, 4.7884
Hunter-Lab	20.2490, -0.7906, 5.0727

Details

The CIELCh color **24, 7.855, 86.458** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **21, 7.768, 273.042**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **44, 7.779, 86.119**, and **4, 5.963, 83.108** is the 20% darker color. If you saturate the color by 10%, you get **23, 10.843, 85.295**, and if you desaturate by 10%, it is **25, 4.922, 87.601**.

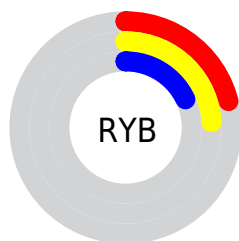
Distribution



Red (24%)

Green (22%)

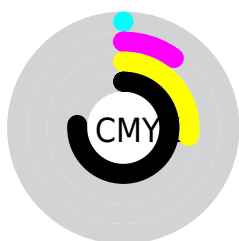
Blue (18%)



Red (21%)

Yellow (24%)

Blue (18%)

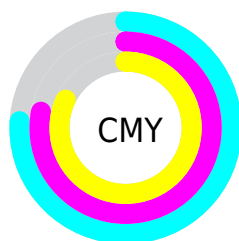


Cyan (0%)

Magenta (10%)

Yellow (27%)

Black (76%)



Cyan (76%)

Magenta (78%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 24, 7.855, 86.458 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, 7.855, 86.458 by changing the saturation by 10% instead.

 24, 7.855, 86.458  24, 7.855, 86.458

 100, 7.855, 86.458  14, 7.855, 86.458

 44, 7.855, 86.458  4, 7.855, 86.458

 54, 7.855, 86.458  0, 7.855, 86.458

 64, 7.855, 86.458

 74, 7.855, 86.458

 84, 7.855, 86.458

 94, 7.855, 86.458

 24, 7.855, 86.458  24, 7.855, 86.458

 23, 10.843, 85.295  25, 4.922, 87.601

■ 22, 13.872, 84.094

■ 26, 2.048, 88.680

■ 22, 16.920, 82.859

■ 27, 0.768, 269.957

■ 21, 19.943, 81.582

■ 28, 3.527, 270.882

■ 20, 22.774, 80.204

■ 28, 6.232, 271.869

■ 19, 24.848, 78.489

■ 29, 8.887, 272.823

■ 18, 26.738, 76.878

■ 30, 11.496,
273.740

■ 18, 27.256, 76.476

■ 31, 14.063,
274.617

■ 32, 16.590,
275.455

Harmonies

Complementary

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



24, 7.855, 86.458



21, 7.768, 273.042

Rectangle

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



24, 7.855, 86.458



24, 7.855, 136.458



24, 7.855, 266.458



24, 7.855, 316.458

Sweetspot

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



24, 7.855, 86.466



34, 2.822, 88.567



21, 9.061, 353.907



16, 1.973, 88.489



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



24, 7.855, 86.466



31, 11.968, 85.624



26, 11.094, 113.584



11, 1.541, 88.564



29, 39.692, 75.826



66, 74.261, 73.390

Inverse Universe

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



21, 7.768, 273.042



27, 11.799, 274.207



20, 11.710, 297.556



11, 1.540, 270.513



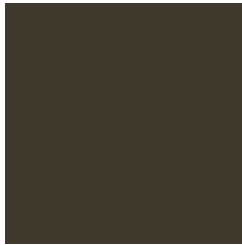
15, 42.680, 292.835



39, 86.375, 295.919

Previews

White Background



This preview shows how the CIE LCh color 24, 7.855, 86.458 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, 7.855, 86.458 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

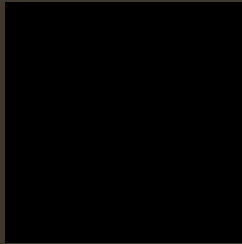
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 7.855, 86.458

Background



This preview shows how black text looks on a background with the CIELCh color 24, 7.855, 86.458.

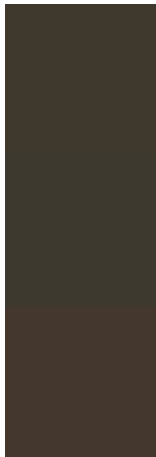


This preview shows how white text looks on a background with the CIELCh color 24, 7.855, 86.458.

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, 7.855, 86.458

Protanopia

24, 7.509, 93.494

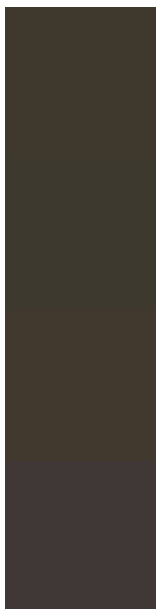
Deuteranopia

24, 8.465, 64.285



Tritanopia
24, 4.912, 347.816

Trichromacy



Original Color

24, 7.855, 86.458

Protanomaly

24, 7.655, 89.927

Deuteranomaly

24, 7.986, 74.955

Tritanomaly

24, 3.550, 41.669

Monochromacy



Original Color

24, 7.855, 86.458

Achromatopsia

24, 0.004, 296.813

Achromatomaly

24, 2.796, 90.005

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 7.855, 86.458 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(62, 56, 45)` looks like.

```
.text, #text, p{  
    color:rgb(62, 56, 45)  
}
```

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(62, 56, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 56, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 7.855, 86.458 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(62, 56, 45) }
```

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

```
.border{ border-color:rgb(62, 56, 45) }
```

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

Here you see how a box with a 4 pixel rgb(62, 56, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 56, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 56, 45);  
box-shadow:4px 4px 4px 4px rgb(62, 56, 45)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 7.855, 86.458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 56, 45) }
```

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

```
.background{ background-color: rgb(62, 56,  
45) }
```

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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