

Converting Colors

CIELCh(24, 8.805, 46.037)

Have a look what the booklet for
CIELCh(24, 8.805, 46.037) contains.

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Color

CIELCh(24, 8.889, 46.874)

Conversions

Conversions Part 1

Format	Color
Hex	463630
RGB	70, 54, 48
RGB Percent	27%, 21%, 19%
CMY	0.7271, 0.7897, 0.8132
CMYK	0.00, 0.23, 0.32, 0.73
HSL	16°, 19%, 23%
HSV	16°, 32%, 27%
XYZ	4.3239, 4.1002, 3.3193
YIQ	58.1000, 11.4620, 1.5260

Conversions

Conversions Part 2

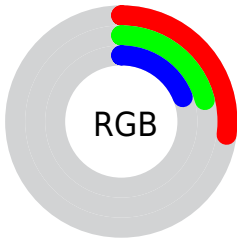
Format	Color
R_{YB}	70, 56, 48
Decimal	4601392
CIE Lab	24.00, 6.08, 6.49
CIE LCh	24, 8.889, 46.874
Yxy	4.1002, 0.3682, 0.3492
Android (android.graphics.Color)	4282791472 (0xFF463630)
YUV	58.1000, -4.9793, 10.4363
Hunter-Lab	20.2490, 2.6803, 4.4552

Details

The CIELCh color $24, 8.889, 46.874$ is a dark color, and the websafe version is hex 333333 . A complement of this color would be $26, 7.454, 230.540$, and the grayscale version is $24, 0.004, 296.813$.

A 20% lighter version of the original color is $44, 8.909, 47.988$, and $4, 8.763, 46.796$ is the 20% darker color. If you saturate the color by 10%, you get $22, 12.129, 46.634$, and if you desaturate by 10%, it is $26, 5.862, 47.210$.

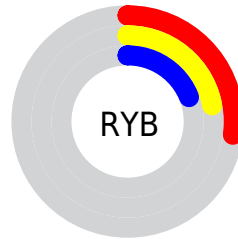
Distribution



Red (27%)

Green (21%)

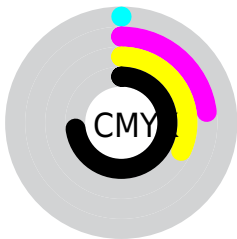
Blue (19%)



Red (27%)

Yellow (22%)

Blue (19%)

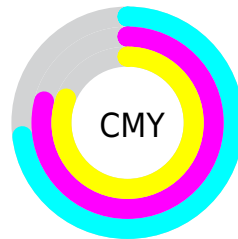


Cyan (0%)

Magenta (23%)

Yellow (32%)

Black (73%)



Cyan (73%)

Magenta (79%)

Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 24, 8.889, 46.874 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, 8.889, 46.874 by changing the saturation by 10% instead.


 24, 8.889, 46.874  24, 8.889, 46.874

 100, 8.889, 46.874  14, 8.889, 46.874

 44, 8.889, 46.874  4, 8.889, 46.874

 54, 8.889, 46.874  0, 8.889, 46.874


 64, 8.889, 46.874

 74, 8.889, 46.874

 84, 8.889, 46.874

 94, 8.889, 46.874

 24, 8.889, 46.874  24, 8.889, 46.874

 22, 12.129, 46.634  26, 5.862, 47.210

■ 21, 15.590, 46.488

■ 27, 3.037, 47.584

■ 19, 19.265, 46.458

■ 29, 0.397, 47.514

■ 18, 23.123, 46.541

■ 31, 2.074, 228.751

■ 16, 26.611, 45.710

■ 33, 4.393, 229.220

■ 15, 29.438, 43.915

■ 35, 6.577, 229.749

■ 14, 31.716, 42.881

■ 37, 8.641, 230.297

■ 38, 10.597,
230.851

■ 40, 12.459,
231.404

Harmonies

Complementary

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



24, 8.889, 46.874



26, 7.454, 230.540

Rectangle

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



24, 8.889, 46.874



24, 8.889, 96.874



24, 8.889, 226.874



24, 8.889, 276.874

Sweetspot

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



24, 8.889, 46.882



36, 2.882, 47.663



23, 14.489, 334.904



18, 2.025, 47.636



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



24, 8.889, 46.882



30, 13.529, 46.679



27, 11.150, 94.967



13, 1.479, 47.687



22, 45.021, 45.797



52, 88.248, 45.780

Inverse Universe

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



26, 7.454, 230.540



32, 10.778, 231.422



22, 11.420, 282.320



13, 1.417, 228.786



28, 23.126, 247.740



64, 43.300, 251.597

Previews

White Background



This preview shows how the CIELCh color 24, 8.889, 46.874 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, 8.889, 46.874 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

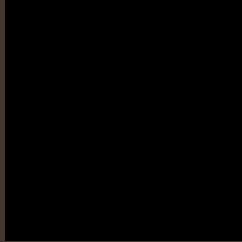
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 8.889, 46.874

Background



This preview shows how black text looks on a background with the CIELCh color 24, 8.889, 46.874.

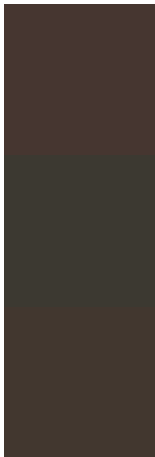


This preview shows how white text looks on a background with the CIELCh color 24, 8.889, 46.874.

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, 8.889, 46.874

Protanopia

24, 5.468, 93.741

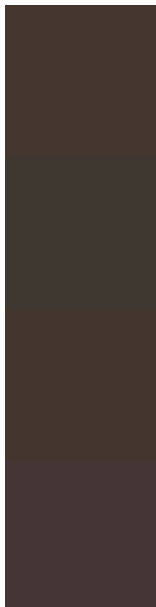
Deuteranopia

24, 7.610, 63.693



Tritanopia
24, 9.310, 4.953

Trichromacy



Original Color

24, 8.889, 46.874

Protanomaly

24, 6.300, 76.294

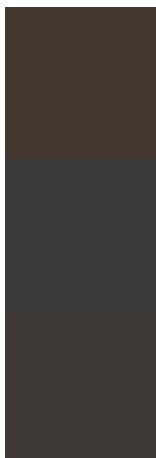
Deuteranomaly

24, 7.963, 55.579

Tritanomaly

24, 8.149, 20.983

Monochromacy



Original Color

24, 8.889, 46.874

Achromatopsia

24, 0.004, 296.813

Achromatomaly

24, 3.110, 44.875

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 8.889, 46.874 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(70, 54, 48)` looks like.

```
.text, #text, p{  
    color:rgb(70, 54, 48)  
}
```

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(70, 54, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 54, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 8.889, 46.874 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(70, 54, 48) }
```

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

```
.border{ border-color:rgb(70, 54, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 54, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 54, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 54, 48);  
box-shadow:4px 4px 4px 4px rgb(70, 54, 48)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 8.889, 46.874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 54, 48) }
```

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

```
.background{ background-color: rgb(70, 54,  
48) }
```

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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