

Converting Colors

CIELCh(18, 24.861, 75.654)

Have a look what the booklet for
CIELCh(18, 24.861, 75.654) contains.

CIELCh(18, 24.861, 75.654)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(18, 24.861, 75.654)

Conversions

Conversions Part 1

Format	Color
Hex	3D2805
RGB	61, 40, 5
RGB Percent	24%, 16%, 2%
CMY	0.7609, 0.8432, 0.9805
CMYK	0.00, 0.34, 0.92, 0.76
HSL	38°, 85%, 13%
HSV	38°, 92%, 24%
XYZ	2.7080, 2.5180, 0.4858
YIQ	42.2890, 23.7510, -6.4330

Conversions

Conversions Part 2

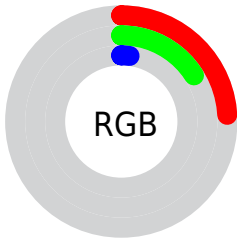
Format	Color
RYB	39, 61, 5
Decimal	4007941
CIELab	18.00, 6.16, 24.09
CIELCh	18, 24.861, 75.654
Yxy	2.5180, 0.4741, 0.4408
Android (android.graphics.Color)	4282198021 (0xFF3D2805)
YUV	42.2890, -18.3835, 16.4095
Hunter-Lab	15.8683, 2.6920, 9.2927

Details

The CIELCh color **18, 24.861, 75.654** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **10, 25.942, 286.406**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 24.645, 75.450**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **17, 26.351, 74.345**, and if you desaturate by 10%, it is **19, 23.032, 77.494**.

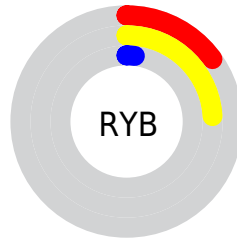
Distribution



Red (24%)

Green (16%)

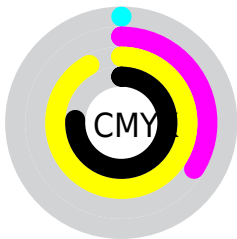
Blue (2%)



Red (15%)

Yellow (24%)

Blue (2%)

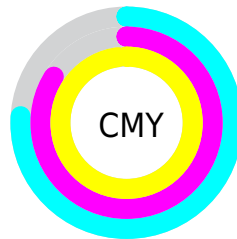


Cyan (0%)

Magenta (34%)

Yellow (92%)

Black (76%)



Cyan (76%)

Magenta (84%)

Yellow (98%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 24.861, 75.654 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 18, 24.861, 75.654 by changing the saturation by 10% instead.

 18, 24.861, 75.654

 18, 24.861, 75.654

 100, 24.861,
75.654

 8, 24.861, 75.654

 38, 24.861, 75.654

 0, 24.861, 75.654

 48, 24.861, 75.654

 58, 24.861, 75.654

 68, 24.861, 75.654

 78, 24.861, 75.654

 88, 24.861, 75.654

 98, 24.861, 75.654

■ 18, 24.861, 75.654

■ 18, 24.861, 75.654

■ 17, 26.351, 74.345

■ 19, 23.032, 77.494

■ 20, 20.659, 79.114

■ 20, 17.726, 80.417

■ 21, 14.752, 81.667

■ 22, 11.793, 82.882

■ 23, 8.878, 84.066

■ 24, 6.021, 85.218

■ 25, 3.228, 86.329

■ 26, 0.497, 87.225

Harmonies

Complementary

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



18, 24.861, 75.654



10, 25.942, 286.406

Rectangle

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



18, 24.861, 75.654



18, 24.861, 125.654



18, 24.861, 255.654



18, 24.861, 305.654

Sweetspot

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



18, 24.861, 75.657



30, 9.660, 84.370



10, 28.187, 4.145



14, 6.744, 84.152



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



18, 24.861, 75.657



23, 34.021, 74.189



24, 32.460, 109.593



11, 1.509, 86.693



28, 39.581, 73.848



65, 74.351, 71.315

Inverse Universe

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



10, 25.942, 286.406



12, 35.472, 290.298



5, 39.784, 303.290



11, 1.505, 268.664



16, 41.136, 291.378



40, 83.260, 294.582

Previews

White Background



This preview shows how the CIE LCh color 18, 24.861, 75.654 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 18, 24.861, 75.654 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

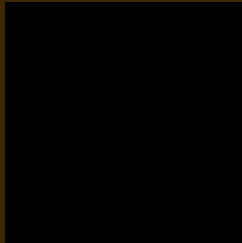
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 24.861, 75.654

Background



This preview shows how black text looks on a background with the CIELCh color 18, 24.861, 75.654.

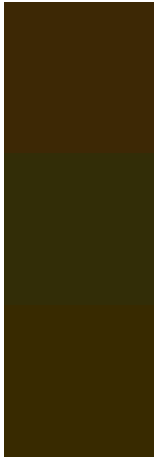


This preview shows how white text looks on a background with the CIELCh color 18, 24.861, 75.654.

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

18, 24.861, 75.654

Protanopia

18, 23.400, 97.615

Deuteranopia

18, 25.888, 86.144



Tritanopia
18, 13.203, 13.960

Trichromacy



Original Color

18, 24.861, 75.654

Protanomaly

18, 23.480, 89.109

Deuteranomaly

18, 25.306, 81.690

Tritanomaly

18, 15.463, 50.483

Monochromacy



Original Color

18, 24.861, 75.654

Achromatopsia

17, 0.003, 296.813

Achromatomaly

17, 9.367, 80.968

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 24.861, 75.654 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(61, 40, 5)` looks like.

```
.text, #text, p{  
    color:rgb(61, 40, 5)  
}
```

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(61, 40, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 40, 5) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 24.861, 75.654 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(61, 40, 5) }
```

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

```
.border{ border-color:rgb(61, 40, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 40, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 40, 5); -webkit-box-shadow:4px  
4px 4px 4px rgb(61, 40, 5); box-shadow:4px  
4px 4px 4px rgb(61, 40, 5) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 24.861, 75.654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 40, 5) }
```

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

```
.background{ background-color: rgb(61, 40,  
5) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor