

Converting Colors

CIELCh(18, 25.124, 63.204)

Have a look what the booklet for
CIELCh(18, 25.124, 63.204) contains.

CIELCh(18, 24.762, 63.369)	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, 24.762, 63.369)

Conversions

Conversions Part 1

Format	Color
Hex	42250A
RGB	66, 37, 10
RGB Percent	26%, 15%, 4%
CMY	0.7406, 0.8543, 0.9600
CMYK	0.00, 0.44, 0.85, 0.74
HSL	29°, 73%, 15%
HSV	29°, 85%, 26%
XYZ	2.9793, 2.5180, 0.6222
YIQ	42.5930, 25.9510, -2.2490

Conversions

Conversions Part 2

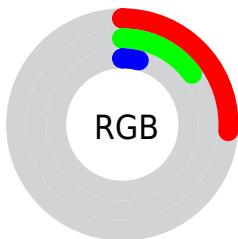
Format	Color
R_{YB}	66, 62, 10
Decimal	4334858
CIE _{Lab}	18.00, 11.10, 22.14
CIE _{LCh}	18, 24.762, 63.369
Yxy	2.5180, 0.4869, 0.4115
Android (android.graphics.Color)	4282524938 (0xFF42250A)
YUV	42.5930, -16.0683, 20.5279
Hunter-Lab	15.8683, 5.7444, 8.7831

Details

The CIELCh color **18, 24.762, 63.369** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **15, 20.106, 271.194**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 24.782, 63.428**, and **0, 1.664, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **17, 26.942, 61.167**, and if you desaturate by 10%, it is **19, 22.142, 65.301**.

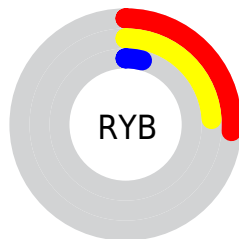
Distribution



Red (26%)

Green (15%)

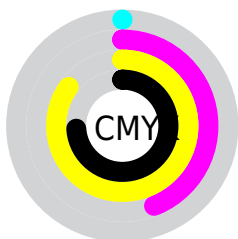
Blue (4%)



Red (26%)

Yellow (24%)

Blue (4%)

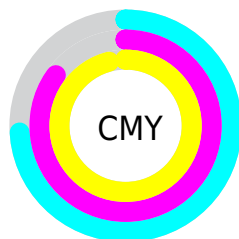


Cyan (0%)

Magenta (44%)

Yellow (85%)

Black (74%)



Cyan (74%)

Magenta (85%)

Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 18, 24.762, 63.369 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, 24.762, 63.369 by changing the saturation by 10% instead.

 18, 24.762, 63.369

 18, 24.762, 63.369

 100, 24.762,
63.369

 8, 24.762, 63.369

 38, 24.762, 63.369

 0, 24.762, 63.369

 48, 24.762, 63.369

 58, 24.762, 63.369

 68, 24.762, 63.369

 78, 24.762, 63.369

 88, 24.762, 63.369

 98, 24.762, 63.369

■ 18, 24.762, 63.369

■ 18, 24.762, 63.369

■ 17, 26.942, 61.167

■ 19, 22.142, 65.301

■ 16, 28.137, 60.145

■ 20, 18.872, 66.455

■ 21, 15.631, 67.541

■ 22, 12.492, 68.616

■ 24, 9.474, 69.687

■ 25, 6.584, 70.752

■ 26, 3.819, 71.800

■ 27, 1.170, 72.752

■ 29, 1.371, 254.066

Harmonies

Complementary

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



18, 24.762, 63.369



15, 20.106, 271.194

Rectangle

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



18, 24.762, 63.369



18, 24.762, 113.369



18, 24.762, 243.369



18, 24.762, 293.369

Sweetspot

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



18, 24.762, 63.373



33, 8.418, 70.592



13, 29.502, 351.371



15, 5.670, 70.444



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



18, 24.762, 63.373



22, 36.899, 60.884



26, 31.681, 101.910



12, 1.441, 72.407



25, 40.834, 60.939



59, 78.243, 58.567

Inverse Universe

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



15, 20.106, 271.194



18, 29.479, 278.214



7, 39.755, 301.443



12, 1.415, 254.396



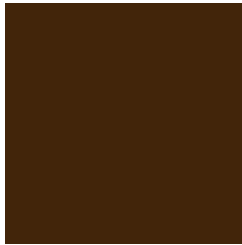
21, 32.280, 278.990



49, 63.937, 282.810

Previews

White Background



This preview shows how the CIELCh color 18, 24.762, 63.369 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, 24.762, 63.369 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

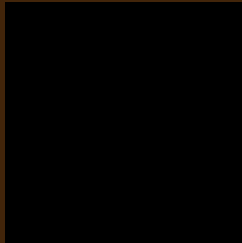
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 24.762, 63.369

Background



This preview shows how black text looks on a background with the CIELCh color 18, 24.762, 63.369.

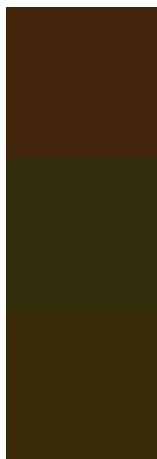


This preview shows how white text looks on a background with the CIELCh color 18, 24.762, 63.369.

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, 24.762, 63.369

Protanopia

18, 21.345, 97.345

Deuteranopia

18, 23.165, 84.533



Tritanopia
18, 16.417, 19.024

Trichromacy



Original Color
18, 24.762, 63.369

Protanomaly
18, 21.609, 83.430

Deuteranomaly
18, 23.425, 75.659

Tritanomaly
18, 18.384, 42.150

Monochromacy



Original Color
18, 24.762, 63.369

Achromatopsia
18, 0.003, 296.813

Achromatomaly
17, 8.762, 71.339

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 24.762, 63.369 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(66, 37, 10)` looks like.

```
.text, #text, p{  
    color:rgb(66, 37, 10)  
}
```

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(66, 37, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 37, 10) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 24.762, 63.369 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(66, 37, 10) }
```

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

```
.border{ border-color:rgb(66, 37, 10) }
```

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

Here you see how a box with a 4 pixel rgb(66, 37, 10) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 37, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 37, 10);  
box-shadow:4px 4px 4px 4px rgb(66, 37, 10)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 24.762, 63.369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 37, 10) }
```

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

```
.background{ background-color: rgb(66, 37,  
10) }
```

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