

Converting Colors

CIELCh(18, 15.534, 23.304)

Have a look what the booklet for
CIELCh(18, 15.534, 23.304) contains.

CIELCh(18, 15.534, 23.304)	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, 15.534, 23.304)

Conversions

Conversions Part 1

Format	Color
Hex	422424
RGB	66, 36, 36
RGB Percent	26%, 14%, 14%
CMY	0.7424, 0.8599, 0.8599
CMYK	0.00, 0.46, 0.46, 0.74
HSL	360°, 30%, 20%
HSV	360°, 46%, 26%
XYZ	3.1625, 2.5180, 1.9667
YIQ	44.9700, 17.8800, 6.3600

Conversions

Conversions Part 2

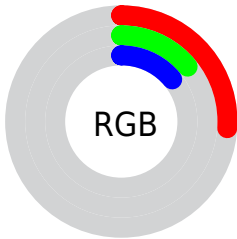
Format	Color
R_{YB}	66, 36, 36
Decimal	4334628
CIE Lab	18.00, 14.27, 6.15
CIE LCh	18, 15.534, 23.304
Yxy	2.5180, 0.4136, 0.3293
Android (android.graphics.Color)	4282524708 (0xFF422424)
YUV	44.9700, -4.4222, 18.4433
Hunter-Lab	15.8683, 7.8052, 3.7596

Details

The CIELCh color **18, 15.534, 23.304** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **26, 11.693, 197.494**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 15.422, 23.913**, and **1, 4.364, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **16, 19.463, 24.891**, and if you desaturate by 10%, it is **20, 11.759, 22.055**.

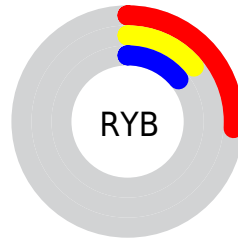
Distribution



Red (26%)

Green (14%)

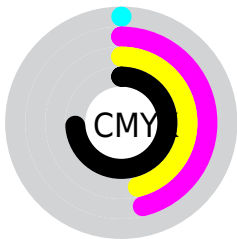
Blue (14%)



Red (26%)

Yellow (14%)

Blue (14%)

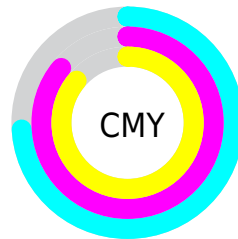


Cyan (0%)

Magenta (46%)

Yellow (46%)

Black (74%)



Cyan (74%)

Magenta (86%)

Yellow (86%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 15.534, 23.304 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, 15.534, 23.304 by changing the saturation by 10% instead.

 18, 15.534, 23.304

 18, 15.534, 23.304

 100, 15.534,
23.304

 8, 15.534, 23.304

 38, 15.534, 23.304

 0, 15.534, 23.304

 48, 15.534, 23.304

 58, 15.534, 23.304

 68, 15.534, 23.304

 78, 15.534, 23.304

 88, 15.534, 23.304

 98, 15.534, 23.304

18, 15.534, 23.304

18, 15.534, 23.304

16, 19.463, 24.891

20, 11.759, 22.055

14, 23.483, 26.882

22, 8.182, 21.062

13, 27.227, 28.307

24, 4.820, 20.260

12, 30.214, 28.519

27, 1.675, 19.540

11, 32.976, 28.188

29, 1.261, 199.388

10, 34.256, 27.899

31, 4.001, 198.846

33, 6.564, 198.490

36, 8.966, 198.206

38, 11.224,
197.973

Harmonies

Complementary

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



18, 15.534, 23.304



26, 11.693, 197.494

Rectangle

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



18, 15.534, 23.304



18, 15.534, 73.304



18, 15.534, 203.304



18, 15.534, 253.304

Sweetspot

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



18, 15.533, 23.308



32, 5.289, 20.184



19, 23.634, 326.089



15, 3.697, 20.258



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, 15.533, 23.308



22, 23.743, 25.179



22, 12.747, 68.710



12, 1.688, 19.759



18, 48.290, 35.253



47, 94.938, 39.994

Inverse Universe

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



18, 15.533, 23.308



22, 23.743, 25.179



21, 11.228, 260.444



12, 1.688, 19.759



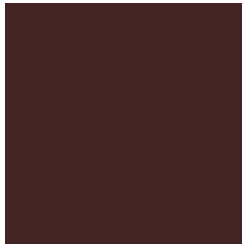
18, 48.290, 35.253



47, 94.938, 39.994

Previews

White Background



This preview shows how the CIE LCh color 18, 15.534, 23.304 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, 15.534, 23.304 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

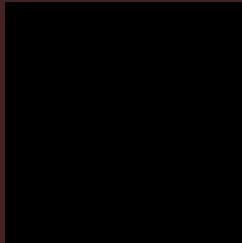
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 15.534, 23.304

Background



This preview shows how black text looks on a background with the CIELCh color 18, 15.534, 23.304.

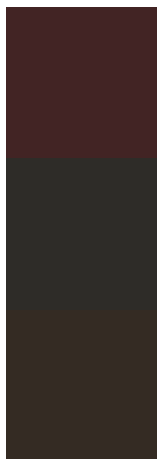


This preview shows how white text looks on a background with the CIELCh color 18, 15.534, 23.304.

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, 15.534, 23.304

Protanopia

18, 2.915, 89.772

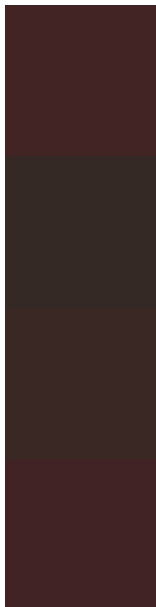
Deuteranopia

18, 7.234, 68.891



Tritanopia
18, 15.841, 16.290

Trichromacy



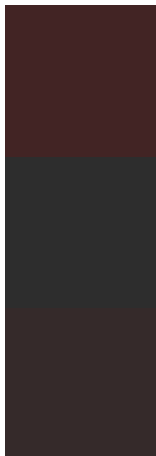
Original Color
18, 15.534, 23.304

Protanomaly
18, 6.454, 39.170

Deuteranomaly
18, 9.576, 41.997

Tritanomaly
18, 15.903, 18.728

Monochromacy



Original Color
18, 15.534, 23.304

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 5.430, 20.601

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 15.534, 23.304 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, 36, 36)` looks like.

```
.text, #text, p{  
    color:rgb(66, 36, 36)  
}
```

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, 36, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 36, 36) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 15.534, 23.304 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, 36, 36) }
```

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

```
.border{ border-color:rgb(66, 36, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 36, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 36, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 36, 36);  
box-shadow:4px 4px 4px 4px rgb(66, 36, 36)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 15.534, 23.304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 36, 36) }
```

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

```
.background{ background-color: rgb(66, 36,  
36) }
```

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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