

Converting Colors

CIELCh(15, 19.888, 8.677)

Have a look what the booklet for
CIELCh(15, 19.888, 8.677) contains.

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Color

CIELCh(15, 20.303, 8.624)

Conversions

Conversions Part 1

Format	Color
Hex	401922
RGB	64, 25, 34
RGB Percent	25%, 10%, 13%
CMY	0.7486, 0.9016, 0.8663
CMYK	0.00, 0.61, 0.47, 0.75
HSL	346°, 44%, 17%
HSV	346°, 61%, 25%
XYZ	2.7606, 1.9086, 1.7429
YIQ	37.6870, 20.3550, 11.0670

Conversions

Conversions Part 2

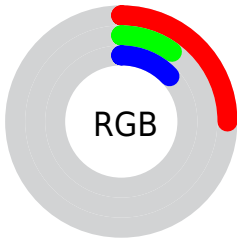
Format	Color
RYB	64, 25, 34
Decimal	4200738
CIELab	15.00, 20.07, 3.04
CIElCh	15, 20.303, 8.624
Yxy	1.9086, 0.4305, 0.2977
Android (android.graphics.Color)	4282390818 (0xFF401922)
YUV	37.6870, -1.8177, 23.0765
Hunter-Lab	13.8151, 11.4918, 2.1909

Details

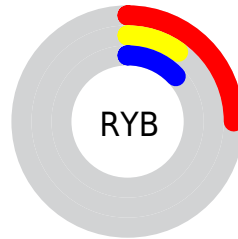
The CIELCh color **15, 20.303, 8.624** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **24, 16.487, 175.374**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 20.290, 9.002**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **13, 23.562, 10.930**, and if you desaturate by 10%, it is **17, 16.887, 6.745**.

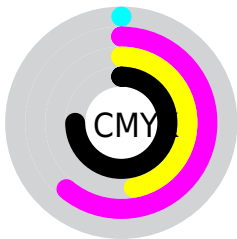
Distribution



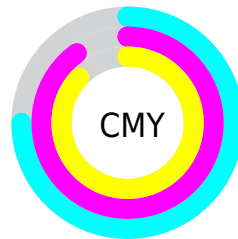
- Red (25%)
- Green (10%)
- Blue (13%)



- Red (25%)
- Yellow (10%)
- Blue (13%)



- Cyan (0%)
- Magenta (61%)
- Yellow (47%)
- Black (75%)



- Cyan (75%)
- Magenta (90%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 20.303, 8.624 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 15, 20.303, 8.624 by changing the saturation by 10% instead.

 15, 20.303, 8.624  15, 20.303, 8.624

 100, 20.303, 8.624  5, 20.303, 8.624

 35, 20.303, 8.624  0, 20.303, 8.624

 45, 20.303, 8.624

 55, 20.303, 8.624

 65, 20.303, 8.624

 75, 20.303, 8.624

 85, 20.303, 8.624

 95, 20.303, 8.624

 15, 20.303, 8.624  15, 20.303, 8.624

■ 13, 23.562, 10.930

■ 17, 16.887, 6.745

■ 12, 26.559, 13.764

■ 19, 13.419, 5.190

■ 11, 29.303, 16.445

■ 21, 9.978, 3.885

■ 10, 31.940, 17.232

■ 23, 6.619, 2.770

■ 25, 3.374, 1.785

■ 27, 0.261, 0.163

■ 29, 2.714, 180.365

■ 31, 5.552, 179.665

■ 34, 8.260, 179.058

Harmonies

Complementary

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



15, 20.303, 8.624



24, 16.487, 175.374

Rectangle

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



15, 20.303, 8.624



15, 20.303, 58.624



15, 20.303, 188.624



15, 20.303, 238.624

Sweetspot

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



15, 20.302, 8.626



31, 7.135, 2.560



15, 29.223, 319.991



14, 5.017, 2.708



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



15, 20.302, 8.626



18, 30.279, 12.390



17, 17.732, 45.889



12, 1.770, 1.567



18, 43.675, 23.174



47, 83.250, 27.846

Inverse Universe

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



15, 20.302, 8.626



18, 30.279, 12.390



21, 12.158, 233.641



12, 1.770, 1.567



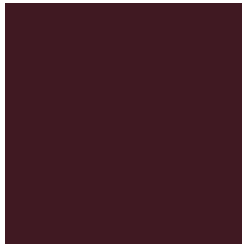
18, 43.675, 23.174



47, 83.250, 27.846

Previews

White Background



This preview shows how the CIE LCh color 15, 20.303, 8.624 looks on a white background.

Color Contrast Check

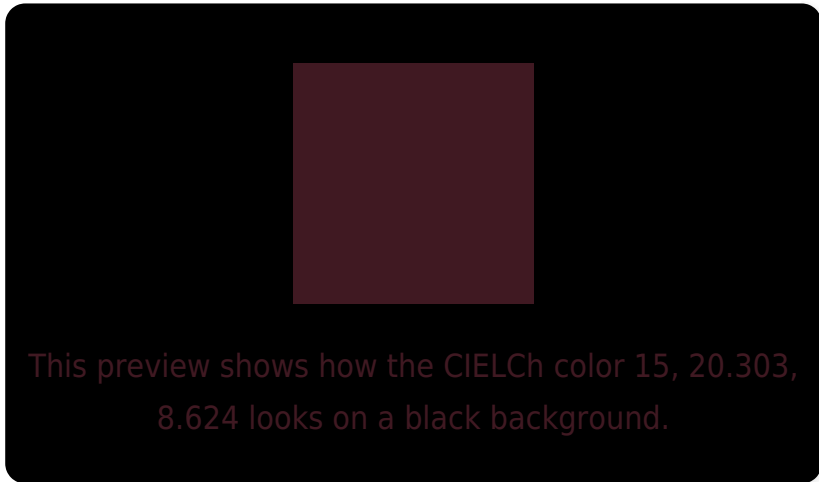
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

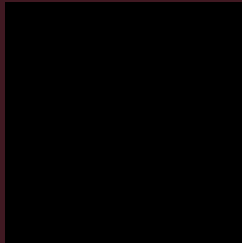
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 20.303, 8.624

Background



This preview shows how black text looks on a background with the CIELCh color 15, 20.303, 8.624.



This preview shows how white text looks on a background with the CIELCh color 15, 20.303, 8.624.

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

15, 20.303, 8.624

Protanopia

15, 2.176, 303.357

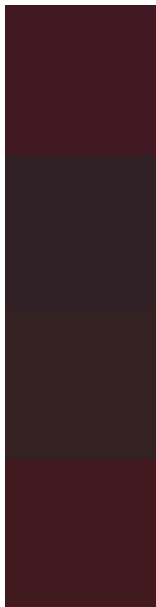
Deuteranopia

15, 5.466, 59.754



Tritanopia
15, 20.158, 21.762

Trichromacy



Original Color

15, 20.303, 8.624

Protanomaly

15, 8.216, 356.395

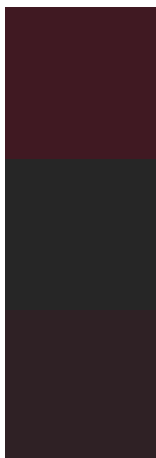
Deuteranomaly

15, 9.894, 21.993

Tritanomaly

15, 19.915, 17.853

Monochromacy



Original Color

15, 20.303, 8.624

Achromatopsia

15, 0.003, 296.813

Achromatomaly

15, 7.526, 359.543

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 20.303, 8.624 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(64, 25, 34)` looks like.

```
.text, #text, p{  
    color:rgb(64, 25, 34)  
}
```

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(64, 25, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 25, 34) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 20.303, 8.624 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(64, 25, 34) }
```

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

```
.border{ border-color:rgb(64, 25, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 25, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 25, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 25, 34);  
box-shadow:4px 4px 4px 4px rgb(64, 25, 34)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 15, 20.303, 8.624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 25, 34) }
```

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

```
.background{ background-color: rgb(64, 25,  
34) }
```

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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