

Converting Colors

CIELCh(15, 20.735, 354.091)

Have a look what the booklet for
CIELCh(15, 20.735, 354.091)
contains.

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Color

CIELCh(15, 20.771, 354.584)

Conversions

Conversions Part 1

Format	Color
Hex	3F1929
RGB	63, 25, 41
RGB Percent	25%, 10%, 16%
CMY	0.7531, 0.9021, 0.8394
CMYK	0.00, 0.60, 0.35, 0.75
HSL	335°, 43%, 17%
HSV	335°, 60%, 25%
XYZ	2.7933, 1.9086, 2.3153
YIQ	38.1860, 17.5120, 13.0320

Conversions

Conversions Part 2

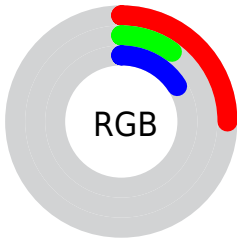
Format	Color
RYB	63, 25, 41
Decimal	4135209
CIELab	15.00, 20.68, -1.96
CIElCh	15, 20.771, 354.584
Yxy	1.9086, 0.3981, 0.2720
Android (android.graphics.Color)	4282325289 (0xFF3F1929)
YUV	38.1860, 1.3873, 21.7619
Hunter-Lab	13.8151, 11.9146, -0.2659




Details

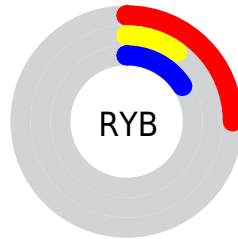
The CIELCh color **15, 20.771, 354.584** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **24, 19.019, 162.332**, and the grayscale version is **15, 0.003, 296.813**.




A 20% lighter version of the original color is **35, 20.587, 354.506**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **14, 23.786, 356.352**, and if you desaturate by 10%, it is **17, 17.469, 353.106**.

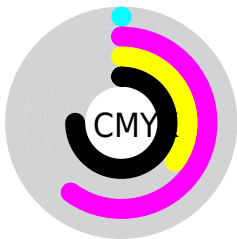
Distribution







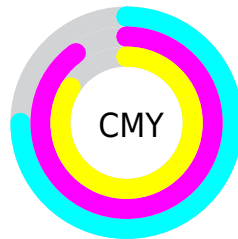
-  Red (25%)
-  Green (10%)
-  Blue (16%)






-  Red (25%)
-  Yellow (10%)
-  Blue (16%)



-  Cyan (0%)
-  Magenta (60%)
-  Yellow (35%)
-  Black (75%)





-  Cyan (75%)
-  Magenta (90%)
-  Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 20.771, 354.584 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, 20.771, 354.584 by changing the saturation by 10% instead.

 15, 20.771,
354.584

 15, 20.771,
354.584


 100, 20.771,
354.584


 5, 20.771, 354.584


 35, 20.771,
354.584

 0, 20.771, 354.584

 45, 20.771,
354.584

 55, 20.771,
354.584

 65, 20.771,
354.584

 75, 20.771,
354.584

 85, 20.771,

354.584

95, 20.771,
354.584

15, 20.771,
354.584

15, 20.771,
354.584

14, 23.786,
356.352

17, 17.469,
353.106

12, 26.381,
358.499

18, 14.007,
351.844

11, 28.625, 0.932

20, 10.481,
350.746

10, 31.104, 2.893

22, 6.963, 349.773

24, 3.499, 348.885

27, 0.120, 346.561

■ 29, 3.159, 167.515

■ 31, 6.329, 166.834

■ 33, 9.391, 166.225

Harmonies

Complementary

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



15, 20.771, 354.584



24, 19.019, 162.332

Rectangle

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



15, 20.771, 354.584



15, 20.771, 44.584



15, 20.771, 174.584



15, 20.771, 224.584

Sweetspot

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



15, 20.770, 354.585



30, 7.630, 349.630



13, 28.004, 313.777



13, 5.219, 349.743



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



15, 20.770, 354.585



18, 29.839, 357.324



15, 19.584, 29.890



10, 1.828, 348.713



18, 40.794, 6.058



47, 76.176, 10.292

Inverse Universe

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



15, 20.770, 354.585



18, 29.839, 357.324



23, 13.050, 204.764



10, 1.828, 348.713



18, 40.794, 6.058



47, 76.176, 10.292

Previews

White Background



This preview shows how the CIE LCh color 15, 20.771, 354.584 looks on a white background.

Color Contrast Check

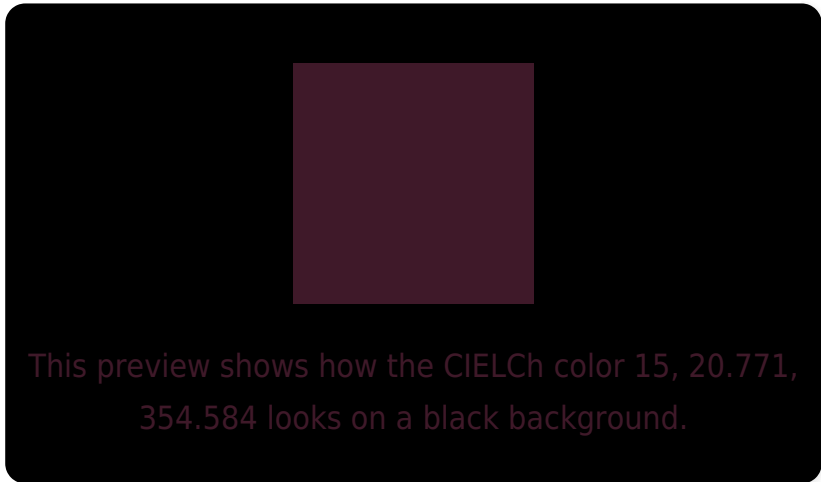
Large Text (above 18pt) WCAG AA ✓ Pass

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

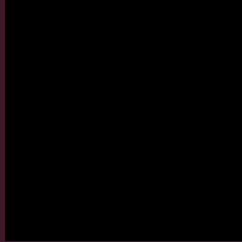
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 20.771, 354.584

Background



This preview shows how black text looks on a background with the CIELCh color 15, 20.771, 354.584.



This preview shows how white text looks on a background with the CIELCh color 15, 20.771, 354.584.

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, 20.771, 354.584

Protanopia

15, 7.781, 285.855

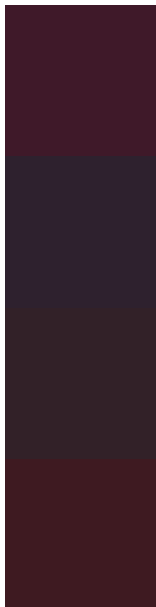
Deuteranopia

15, 2.826, 350.226



Tritanopia
15, 18.525, 20.800

Trichromacy



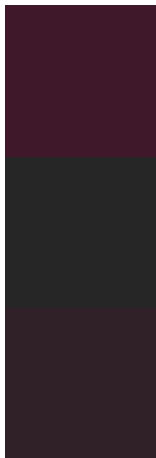
Original Color
15, 20.771, 354.584

Protanomaly
15, 11.006, 325.694

Deuteranomaly
15, 9.642, 351.553

Tritanomaly
15, 18.792, 10.742

Monochromacy



Original Color
15, 20.771, 354.584

Achromatopsia
15, 0.003, 296.813

Achromatomaly
15, 8.064, 350.051

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 20.771, 354.584 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(63, 25, 41)` looks like.

```
.text, #text, p{  
    color:rgb(63, 25, 41)  
}
```

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(63, 25, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 25, 41) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 20.771, 354.584 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(63, 25, 41) }
```

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

```
.border{ border-color:rgb(63, 25, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 25, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 25, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 25, 41);  
box-shadow:4px 4px 4px 4px rgb(63, 25, 41)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 15, 20.771, 354.584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 25, 41) }
```

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

```
.background{ background-color: rgb(63, 25,  
41) }
```

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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