

Converting Colors

CIELCh(15, 8.368, 22.504)

Have a look what the booklet for
CIELCh(15, 8.368, 22.504) contains.

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Color

CIELCh(15, 8.366, 26.247)

Conversions

Conversions Part 1

Format	Color
Hex	322221
RGB	50, 34, 33
RGB Percent	20%, 13%, 13%
CMY	0.8050, 0.8677, 0.8716
CMYK	0.00, 0.32, 0.34, 0.81
HSL	4°, 21%, 16%
HSV	4°, 34%, 19%
XYZ	2.1371, 1.9086, 1.6758
YIQ	38.6700, 9.8570, 3.0810

Conversions

Conversions Part 2

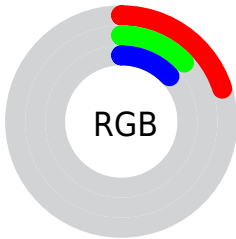
Format	Color
R _Y B	50, 34, 33
Decimal	3285537
CIE Lab	15.00, 7.50, 3.70
CIE LCh	15, 8.366, 26.247
Yxy	1.9086, 0.3735, 0.3336
Android (android.graphics.Color)	4281475617 (0xFF322221)
YUV	38.6700, -2.7953, 9.9364
Hunter-Lab	13.8151, 3.4366, 2.4788

Details

The CIELCh color **15, 8.366, 26.247** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **19, 6.859, 203.863**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 8.567, 24.783**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **13, 11.172, 27.091**, and if you desaturate by 10%, it is **17, 5.720, 25.593**.

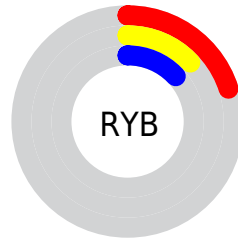
Distribution



 Red (20%)

 Green (13%)

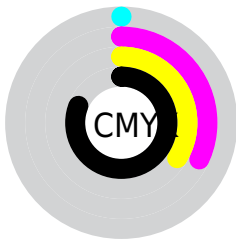
 Blue (13%)



 Red (20%)

 Yellow (13%)

 Blue (13%)

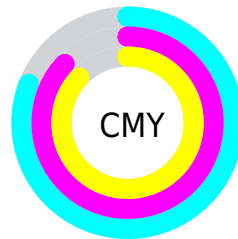


 Cyan (0%)

 Magenta (32%)

 Yellow (34%)

 Black (81%)



 Cyan (81%)

 Magenta (87%)

 Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 8.366, 26.247 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, 8.366, 26.247 by changing the saturation by 10% instead.

 15, 8.366, 26.247  15, 8.366, 26.247

 100, 8.366, 26.247  5, 8.366, 26.247

 35, 8.366, 26.247  0, 8.366, 26.247

 45, 8.366, 26.247

 55, 8.366, 26.247

 65, 8.366, 26.247

 75, 8.366, 26.247

 85, 8.366, 26.247

 95, 8.366, 26.247

 15, 8.366, 26.247  15, 8.366, 26.247

■ 13, 11.172, 27.091

■ 17, 5.720, 25.593

■ 12, 14.129, 28.155

■ 18, 3.240, 25.062

■ 11, 17.028, 28.391

■ 20, 0.918, 24.511

■ 9, 19.625, 27.324

■ 22, 1.254, 204.614

■ 8, 21.905, 25.854

■ 23, 3.286, 204.286

■ 7, 24.047, 24.831

■ 25, 5.193, 204.095

■ 7, 25.273, 24.340

■ 27, 6.985, 203.962

■ 29, 8.675, 203.868

■ 30, 10.273,
203.805

Harmonies

Complementary

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



15, 8.366, 26.247



19, 6.859, 203.863

Rectangle

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



15, 8.366, 26.247



15, 8.366, 76.247



15, 8.366, 206.247



15, 8.366, 256.247

Sweetspot

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



15, 8.365, 26.253



25, 2.787, 24.886



15, 13.718, 327.395



11, 1.924, 24.901



66, 0.008, 296.813



13, 0.003, 296.813

Same Dimension

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



15, 8.365, 26.253



19, 12.742, 26.993



18, 7.601, 76.963



8, 1.265, 24.586



17, 44.003, 35.948



46, 91.732, 40.516

Inverse Universe

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



19, 6.859, 203.863



24, 9.841, 203.768



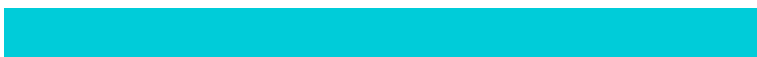
16, 7.201, 265.100



9, 1.213, 204.484



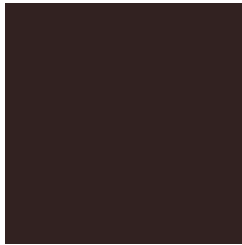
32, 21.681, 205.522



75, 41.028, 206.385

Previews

White Background



This preview shows how the CIELCh color 15, 8.366, 26.247 looks on a white background.

Color Contrast Check

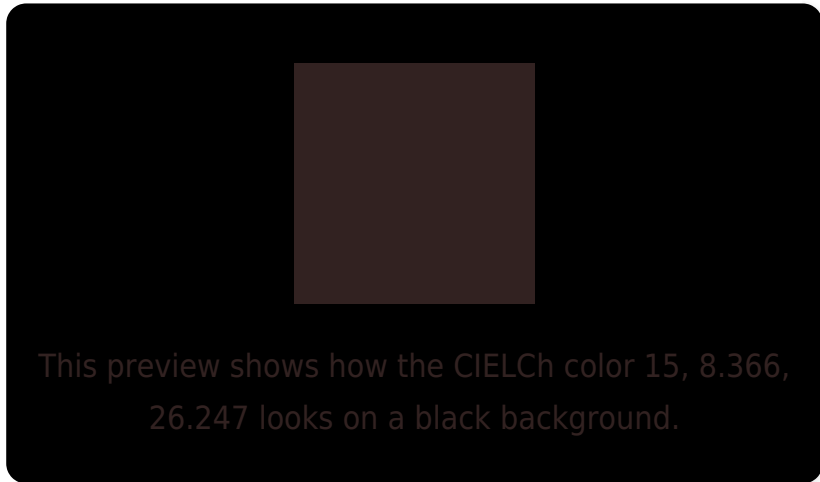
Large Text (above 18pt) WCAG AA ✓ Pass

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

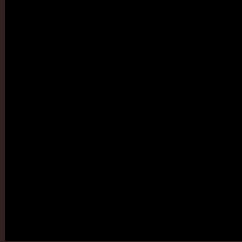
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 8.366, 26.247

Background



This preview shows how black text looks on a background with the CIELCh color 15, 8.366, 26.247.

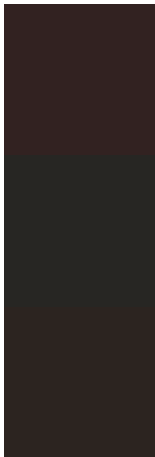


This preview shows how white text looks on a background with the CIELCh color 15, 8.366, 26.247.

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, 8.366, 26.247

Protanopia

15, 2.163, 96.260

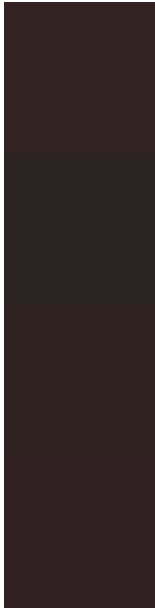
Deuteranopia

15, 5.035, 53.985



Tritanopia
15, 8.839, 8.130

Trichromacy



Original Color

15, 8.366, 26.247

Protanomaly

15, 3.838, 41.596

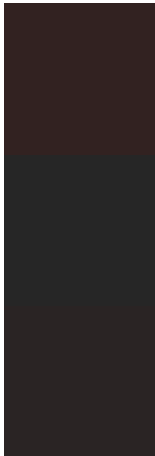
Deuteranomaly

15, 6.134, 40.664

Tritanomaly

15, 8.776, 12.641

Monochromacy



Original Color

15, 8.366, 26.247

Achromatopsia

15, 0.003, 296.813

Achromatomaly

15, 2.997, 20.088

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 8.366, 26.247 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(50, 34, 33)` looks like.

```
.text, #text, p{  
    color:rgb(50, 34, 33)  
}
```

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(50, 34, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 34, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 8.366, 26.247 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(50, 34, 33) }
```

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

```
.border{ border-color:rgb(50, 34, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 34, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 34, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 34, 33);  
box-shadow:4px 4px 4px 4px rgb(50, 34, 33)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 15, 8.366, 26.247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 34, 33) }
```

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

```
.background{ background-color: rgb(50, 34,  
33) }
```

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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