

Converting Colors

CIELCh(15, 12.490, 302.883)

Have a look what the booklet for
CIELCh(15, 12.490, 302.883)
contains.

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Color

CIELCh(15, 12.277, 303.438)

Conversions

Conversions Part 1

Format	Color
Hex	282334
RGB	40, 35, 52
RGB Percent	16%, 14%, 20%
CMY	0.8428, 0.8624, 0.7957
CMYK	0.23, 0.33, 0.00, 0.80
HSL	258°, 20%, 17%
HSV	258°, 33%, 20%
XYZ	2.1038, 1.9086, 3.5168
YIQ	38.4330, -2.4770, 6.3470

Conversions

Conversions Part 2

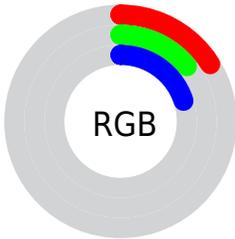
Format	Color
R_{YB}	40, 35, 52
Decimal	2630452
CIE _{Lab}	15.00, 6.77, -10.24
CIE _{LCh}	15, 12.277, 303.438
Yxy	1.9086, 0.2794, 0.2535
Android (android.graphics.Color)	4280820532 (0xFF282334)
YUV	38.4330, 6.6885, 1.3743
Hunter-Lab	13.8151, 3.0054, -5.4224

Details

The CIELCh color **15, 12.277, 303.438** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **21, 11.621, 119.977**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 12.786, 302.994**, and **0, 1.613, 290.178** is the 20% darker color. If you saturate the color by 10%, you get **13, 16.265, 304.137**, and if you desaturate by 10%, it is **17, 8.391, 302.799**.

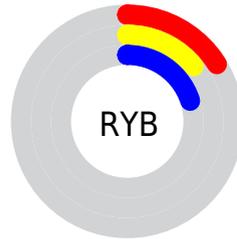
Distribution



Red (16%)

Green (14%)

Blue (20%)



Red (16%)

Yellow (14%)

Blue (20%)



Cyan (23%)

Magenta (33%)

Yellow (0%)

Black (80%)



Cyan (84%)

Magenta (86%)

Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 12.277, 303.438 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, 12.277, 303.438 by changing the saturation by 10% instead.

■ 15, 12.277,
303.438

■ 15, 12.277,
303.438

■ 100, 12.277,
303.438

■ 5, 12.277, 303.438

■ 35, 12.277,
303.438

■ 0, 12.277, 303.438

■ 45, 12.277,
303.438

■ 55, 12.277,
303.438

■ 65, 12.277,
303.438

■ 75, 12.277,
303.438

■ 85, 12.277,

303.438

 95, 12.277,
303.438

 15, 12.277,
303.438

 15, 12.277,
303.438

 13, 16.265,
304.137

 17, 8.391, 302.799

 11, 20.340,
304.890

 19, 4.617, 302.221

 21, 0.954, 301.690

 9, 24.463, 305.679

 23, 2.600, 121.257

 7, 28.408, 306.277

 25, 6.048, 120.845

 6, 31.319, 305.879

 27, 9.396, 120.484

 4, 33.730, 305.104

 29, 12.648,

■ 3, 35.378, 304.455 120.166

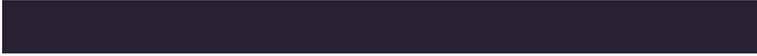
■ 31, 15.810,
119.886

■ 33, 18.886,
119.640

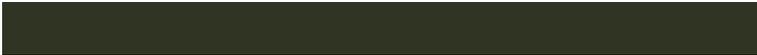
Harmonies

Complementary

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



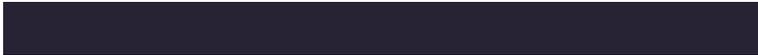
15, 12.277, 303.438



21, 11.621, 119.977

Rectangle

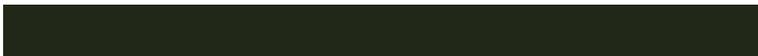
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



15, 12.277, 303.438



15, 12.277, 353.438



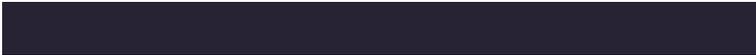
15, 12.277, 123.438



15, 12.277, 173.438

Sweetspot

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



15, 12.276, 303.438



27, 4.599, 302.107



19, 6.055, 231.910



12, 3.171, 302.128



67, 0.008, 296.813



14, 0.003, 296.813

Same Dimension

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



15, 12.276, 303.438



19, 18.754, 304.027



16, 13.351, 319.512



8, 1.967, 301.946



9, 59.900, 308.940



30, 115.120, 308.158

Inverse Universe

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



16, 11.533, 336.002



21, 17.371, 336.571



20, 13.167, 136.914



8, 1.899, 334.469



18, 43.666, 342.976



48, 81.794, 344.683

Previews

White Background



This preview shows how the CIELCh color 15, 12.277, 303.438 looks on a white background.

Color Contrast Check

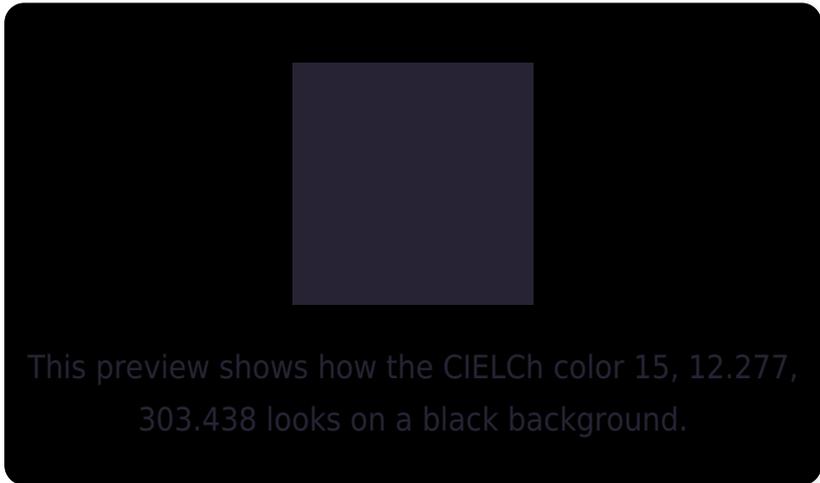
Large Text (above 18pt) WCAG AA ✓ Pass

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, 12.277, 303.438

Background



This preview shows how black text looks on a background with the CIELCh color 15, 12.277, 303.438.

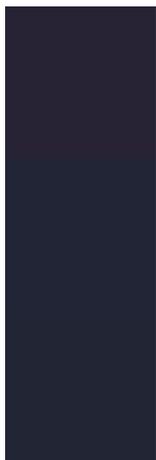


This preview shows how white text looks on a background with the CIELCh color 15, 12.277, 303.438.

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

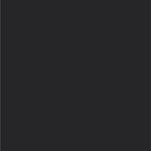
15, 12.277, 303.438

Protanopia

15, 12.070, 285.706

Deuteranopia

15, 10.641, 286.315



Tritanopia
15, 2.185, 303.364

Trichromacy



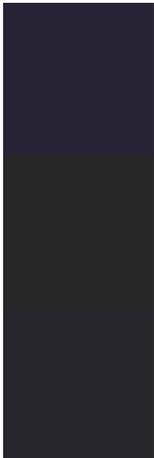
Original Color
15, 12.277, 303.438

Protanomaly
15, 12.041, 293.422

Deuteranomaly
15, 11.337, 293.245

Tritanomaly
15, 5.862, 305.380

Monochromacy



Original Color
15, 12.277, 303.438

Achromatopsia
16, 0.003, 296.813

Achromatomaly
15, 4.263, 297.552

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 12.277, 303.438 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(40, 35, 52)` looks like.

```
.text, #text, p{  
    color:rgb(40, 35, 52)  
}
```

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(40, 35, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 35, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 12.277, 303.438 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(40, 35, 52) }
```

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

```
.border{ border-color:rgb(40, 35, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 35, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 35, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 35, 52);  
box-shadow:4px 4px 4px 4px rgb(40, 35, 52)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 15, 12.277, 303.438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 35, 52) }
```

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

```
.background{ background-color: rgb(40, 35,  
52) }
```

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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