

Converting Colors

CIELCh(15, 27.606, 49.227)

Have a look what the booklet for
CIELCh(15, 27.606, 49.227) contains.

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Color

CIELCh(15, 27.488, 49.559)

Conversions

Conversions Part 1

Format	Color
Hex	421A04
RGB	66, 26, 4
RGB Percent	26%, 10%, 2%
CMY	0.7410, 0.8979, 0.9841
CMYK	0.00, 0.61, 0.94, 0.74
HSL	21°, 88%, 14%
HSV	21°, 94%, 26%
XYZ	2.6415, 1.9086, 0.3455
YIQ	35.4520, 30.9020, 1.6380

Conversions

Conversions Part 2

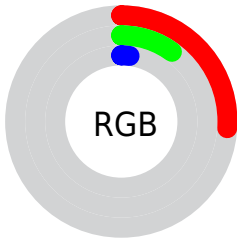
Format	Color
RYB	66, 38, 4
Decimal	4332036
CIELab	15.00, 17.83, 20.92
CIELCh	15, 27.488, 49.559
Yxy	1.9086, 0.5396, 0.3899
Android (android.graphics.Color)	4282522116 (0xFF421A04)
YUV	35.4520, -15.5058, 26.7906
Hunter-Lab	13.8151, 9.9529, 8.1879

Details

The CIELCh color **15, 27.488, 49.559** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **17, 18.078, 257.079**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 27.538, 49.783**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **14, 28.975, 48.544**, and if you desaturate by 10%, it is **16, 25.053, 51.724**.

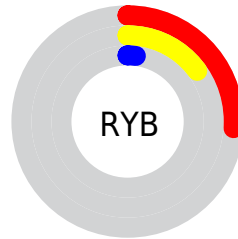
Distribution



Red (26%)

Green (10%)

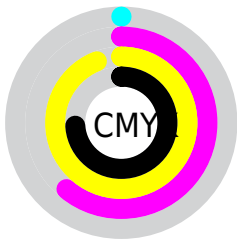
Blue (2%)



Red (26%)

Yellow (15%)

Blue (2%)

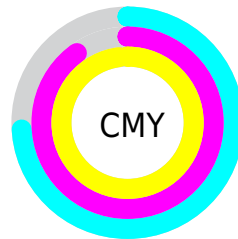


Cyan (0%)

Magenta (61%)

Yellow (94%)

Black (74%)



Cyan (74%)

Magenta (90%)

Yellow (98%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 27.488, 49.559 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, 27.488, 49.559 by changing the saturation by 10% instead.

 15, 27.488, 49.559

 15, 27.488, 49.559

 100, 27.488,
49.559

 5, 27.488, 49.559

 35, 27.488, 49.559

 0, 27.488, 49.559

 45, 27.488, 49.559

 55, 27.488, 49.559

 65, 27.488, 49.559

 75, 27.488, 49.559

 85, 27.488, 49.559

 95, 27.488, 49.559

■ 15, 27.488, 49.559

■ 15, 27.488, 49.559

■ 14, 28.975, 48.544

■ 16, 25.053, 51.724

■ 17, 22.189, 53.494

■ 19, 18.708, 54.096

■ 20, 15.307, 54.622

■ 21, 12.080, 55.205

■ 23, 9.035, 55.843

■ 24, 6.171, 56.525

■ 26, 3.477, 57.228

■ 27, 0.939, 57.818

Harmonies

Complementary

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



15, 27.488, 49.559



17, 18.078, 257.079

Rectangle

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



15, 27.488, 49.559



15, 27.488, 99.559



15, 27.488, 229.559



15, 27.488, 279.559

Sweetspot

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



15, 27.487, 49.562



32, 9.232, 56.155



12, 33.302, 344.964



14, 6.311, 56.025



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, 27.487, 49.562



20, 38.245, 50.461



24, 31.188, 94.021



12, 1.376, 57.590



23, 42.499, 50.927



54, 83.689, 49.857

Inverse Universe

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



17, 18.078, 257.079



22, 23.407, 261.233



6, 38.940, 299.237



12, 1.331, 239.157



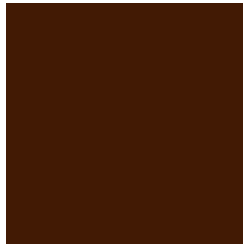
25, 25.506, 262.072



58, 49.353, 266.306

Previews

White Background



This preview shows how the CIELCh color 15, 27.488, 49.559 looks on a white background.

Color Contrast Check

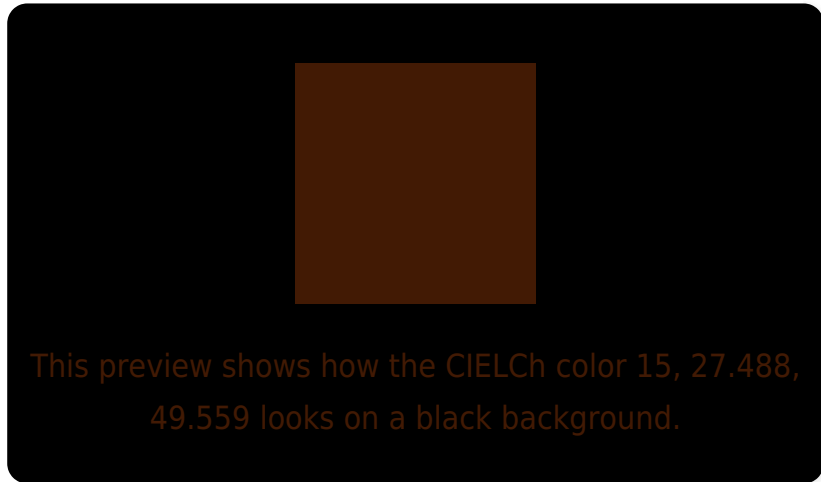
Large Text (above 18pt) WCAG AA ✓ Pass

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

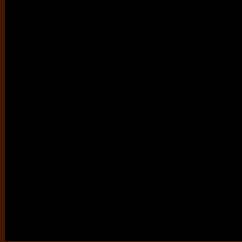
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 27.488, 49.559

Background



This preview shows how black text looks on a background with the CIELCh color 15, 27.488, 49.559.



This preview shows how white text looks on a background with the CIELCh color 15, 27.488, 49.559.

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, 27.488, 49.559

Protanopia

16, 19.424, 96.916

Deuteranopia

15, 22.514, 86.975



Tritanopia
15, 22.892, 23.339

Trichromacy



Original Color
15, 27.488, 49.559

Protanomaly
15, 19.887, 74.023

Deuteranomaly
15, 22.961, 71.241

Tritanomaly
15, 24.573, 36.601

Monochromacy



Original Color
15, 27.488, 49.559

Achromatopsia
14, 0.003, 296.813

Achromatomaly
14, 9.727, 56.129

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 27.488, 49.559 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, 26, 4)` looks like.

```
.text, #text, p{  
    color:rgb(66, 26, 4)  
}
```

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, 26, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 26, 4) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 27.488, 49.559 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, 26, 4) }
```

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

```
.border{ border-color:rgb(66, 26, 4) }
```

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

Here you see how a box with a 4 pixel rgb(66, 26, 4) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 26, 4); -webkit-box-shadow:4px  
4px 4px 4px rgb(66, 26, 4); box-shadow:4px  
4px 4px 4px rgb(66, 26, 4) }
```

Background

The CSS property to change the background color of an element to CIELCh 15, 27.488, 49.559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 26, 4) }
```

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

```
.background{ background-color: rgb(66, 26,  
4) }
```

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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