

Converting Colors

CIELCh(15, 32.236, 27.457)

Have a look what the booklet for
CIELCh(15, 32.236, 27.457) contains.

CIELCh(15, 32.213, 27.656)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(15, 32.213, 27.656)

Conversions

Conversions Part 1

Format	Color
Hex	4C0F12
RGB	76, 15, 18
RGB Percent	30%, 6%, 7%
CMY	0.7027, 0.9419, 0.9301
CMYK	0.00, 0.80, 0.76, 0.70
HSL	357°, 67%, 18%
HSV	357°, 80%, 30%
XYZ	3.2419, 1.9086, 0.7628
YIQ	33.5810, 35.3930, 13.8650

Conversions

Conversions Part 2

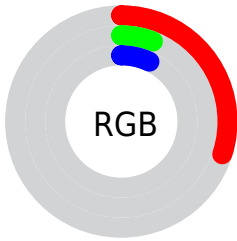
Format	Color
RYB	76, 15, 18
Decimal	4984594
CIELab	15.00, 28.53, 14.95
CIElCh	15, 32.213, 27.656
Yxy	1.9086, 0.5482, 0.3228
Android (android.graphics.Color)	4283174674 (0xFF4C0F12)
YUV	33.5810, -7.6814, 37.2015
Hunter-Lab	13.8151, 17.7114, 6.3971

Details

The CIELCh color **15, 32.213, 27.656** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **29, 19.655, 190.773**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 31.854, 28.149**, and **1, 5.120, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **14, 35.442, 29.004**, and if you desaturate by 10%, it is **16, 28.112, 25.028**.

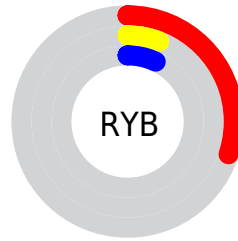
Distribution



Red (30%)

Green (6%)

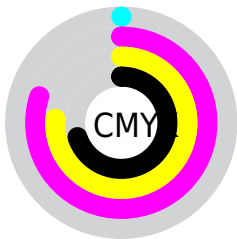
Blue (7%)



Red (30%)

Yellow (6%)

Blue (7%)

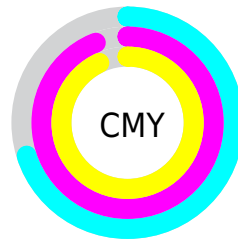


Cyan (0%)

Magenta (80%)

Yellow (76%)

Black (70%)



Cyan (70%)

Magenta (94%)

Yellow (93%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 32.213, 27.656 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, 32.213, 27.656 by changing the saturation by 10% instead.

 15, 32.213, 27.656

 15, 32.213, 27.656

 100, 32.213,
27.656

 5, 32.213, 27.656

 35, 32.213, 27.656

 0, 32.213, 27.656

 45, 32.213, 27.656

 55, 32.213, 27.656

 65, 32.213, 27.656

 75, 32.213, 27.656

 85, 32.213, 27.656

 95, 32.213, 27.656

■ 15, 32.213, 27.656

■ 15, 32.213, 27.656

■ 14, 35.442, 29.004

■ 16, 28.112, 25.028

■ 13, 38.283, 29.087

■ 18, 23.779, 22.580

■ 20, 19.438, 20.617

■ 22, 15.190, 19.051

■ 25, 11.106, 17.798

■ 27, 7.228, 16.782

■ 30, 3.576, 15.927

■ 32, 0.150, 13.521

■ 35, 3.058, 194.861

Harmonies

Complementary

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



15, 32.213, 27.656



29, 19.655, 190.773

Rectangle

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



15, 32.213, 27.656



15, 32.213, 77.656



15, 32.213, 207.656



15, 32.213, 257.656

Sweetspot

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



15, 32.212, 27.659



35, 10.771, 17.211



17, 42.464, 326.200



16, 7.508, 17.419



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



15, 32.212, 27.659



19, 47.350, 33.339



21, 27.065, 61.490



14, 1.913, 15.782



19, 49.458, 33.998



48, 94.615, 38.485

Inverse Universe

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



15, 32.212, 27.659



19, 47.350, 33.339



19, 20.454, 266.624



14, 1.913, 15.782



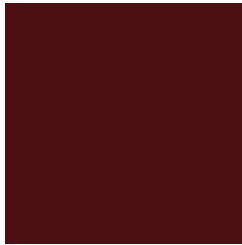
19, 49.458, 33.998



48, 94.615, 38.485

Previews

White Background



This preview shows how the CIELCh color 15, 32.213, 27.656 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

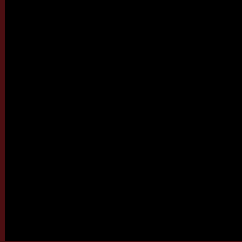
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 32.213, 27.656

Background



This preview shows how black text looks on a background with the CIELCh color 15, 32.213, 27.656.



This preview shows how white text looks on a background with the CIELCh color 15, 32.213, 27.656.

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, 32.213, 27.656

Protanopia

16, 10.509, 98.508

Deuteranopia

16, 17.537, 82.893



Tritanopia
15, 32.863, 30.332

Trichromacy



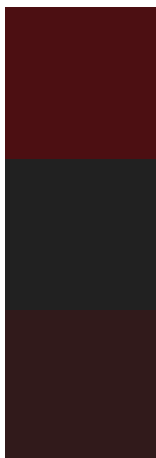
Original Color
15, 32.213, 27.656

Protanomaly
15, 15.203, 46.446

Deuteranomaly
15, 20.143, 51.661

Tritanomaly
15, 32.649, 29.492

Monochromacy



Original Color
15, 32.213, 27.656

Achromatopsia
13, 0.003, 296.813

Achromatomaly
12, 12.334, 19.901

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 32.213, 27.656 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(76, 15, 18)` looks like.

```
.text, #text, p{  
    color:rgb(76, 15, 18)  
}
```

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(76, 15, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 15, 18) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 32.213, 27.656 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(76, 15, 18) }
```

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

```
.border{ border-color:rgb(76, 15, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 15, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 15, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 15, 18);  
box-shadow:4px 4px 4px 4px rgb(76, 15, 18)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 15, 32.213, 27.656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 15, 18) }
```

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

```
.background{ background-color: rgb(76, 15,  
18) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor