

Converting Colors

CIELCh(15, 23.045, 64.721)

Have a look what the booklet for
CIELCh(15, 23.045, 64.721) contains.

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Color

CIELCh(15, 23.109, 64.657)

Conversions

Conversions Part 1

Format	Color
Hex	3A2003
RGB	58, 32, 3
RGB Percent	23%, 13%, 1%
CMY	0.7741, 0.8759, 0.9866
CMYK	0.00, 0.45, 0.94, 0.77
HSL	31°, 89%, 12%
HSV	31°, 94%, 23%
XYZ	2.2475, 1.9086, 0.3480
YIQ	36.4680, 24.8050, -3.5070

Conversions

Conversions Part 2

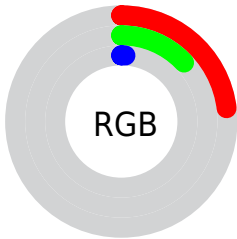
Format	Color
RYB	52, 58, 3
Decimal	3809283
CIELab	15.00, 9.89, 20.89
CIELCh	15, 23.109, 64.657
Yxy	1.9086, 0.4990, 0.4238
Android (android.graphics.Color)	4281999363 (0xFF3A2003)
YUV	36.4680, -16.4997, 18.8836
Hunter-Lab	13.8151, 4.8622, 8.1773

Details

The CIELCh color **15, 23.109, 64.657** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **11, 21.266, 277.377**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 23.593, 64.724**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **14, 24.153, 63.521**, and if you desaturate by 10%, it is **16, 21.366, 66.873**.

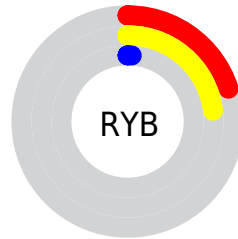
Distribution



Red (23%)

Green (13%)

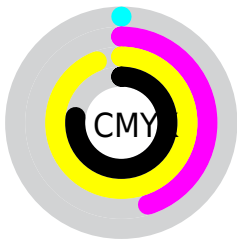
Blue (1%)



Red (20%)

Yellow (23%)

Blue (1%)

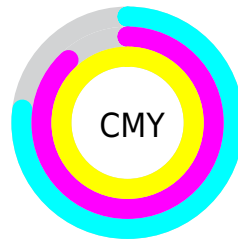


Cyan (0%)

Magenta (45%)

Yellow (94%)

Black (77%)



Cyan (77%)

Magenta (88%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 23.109, 64.657 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, 23.109, 64.657 by changing the saturation by 10% instead.

 15, 23.109, 64.657

 15, 23.109, 64.657

 100, 23.109,
64.657

 5, 23.109, 64.657

 35, 23.109, 64.657

 0, 23.109, 64.657

 45, 23.109, 64.657

 55, 23.109, 64.657

 65, 23.109, 64.657

 75, 23.109, 64.657

 85, 23.109, 64.657

 95, 23.109, 64.657

■ 15, 23.109, 64.657

■ 15, 23.109, 64.657

■ 14, 24.153, 63.521

■ 16, 21.366, 66.873

■ 17, 19.406, 69.085

■ 18, 16.761, 70.535

■ 19, 13.915, 71.685

■ 20, 11.139, 72.813

■ 21, 8.452, 73.926

■ 22, 5.860, 75.023

■ 23, 3.362, 76.093

■ 24, 0.954, 77.051

Harmonies

Complementary

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



15, 23.109, 64.657



11, 21.266, 277.377

Rectangle

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



15, 23.109, 64.657



15, 23.109, 114.657



15, 23.109, 244.657



15, 23.109, 294.657

Sweetspot

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



15, 23.109, 64.661



28, 8.480, 74.456



9, 28.222, 356.193



13, 5.929, 74.272



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



15, 23.109, 64.661



20, 31.521, 64.278



23, 31.306, 104.340



10, 1.280, 76.682



25, 38.671, 64.416



59, 75.607, 61.872

Inverse Universe

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



11, 21.266, 277.377



14, 27.849, 281.066



4, 37.619, 300.157



9, 1.264, 258.625



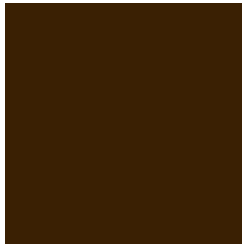
18, 33.287, 282.661



46, 67.936, 286.572

Previews

White Background



This preview shows how the CIELCh color 15, 23.109, 64.657 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

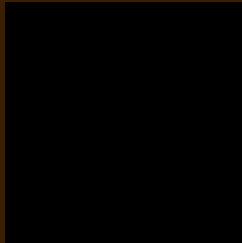
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 23.109, 64.657

Background



This preview shows how black text looks on a background with the CIELCh color 15, 23.109, 64.657.

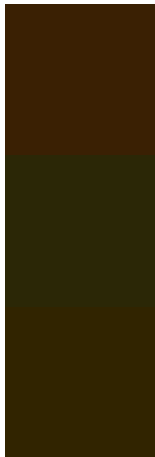


This preview shows how white text looks on a background with the CIELCh color 15, 23.109, 64.657.

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, 23.437, 65.211

Protanopia

15, 20.134, 98.772

Deuteranopia

15, 22.143, 85.142



Tritanopia
15, 15.699, 16.513

Trichromacy



Original Color
15, 23.437, 65.211

Protanomaly
15, 19.978, 85.096

Deuteranomaly
15, 22.052, 76.816

Tritanomaly
15, 17.009, 41.935

Monochromacy



Original Color
15, 23.437, 65.211

Achromatopsia
14, 0.003, 296.813

Achromatomaly
14, 9.048, 70.841

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 23.109, 64.657 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(58, 32, 3)` looks like.

```
.text, #text, p{  
    color:rgb(58, 32, 3)  
}
```

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(58, 32, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 32, 3) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 23.109, 64.657 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(58, 32, 3) }
```

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

```
.border{ border-color:rgb(58, 32, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 32, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 32, 3); -webkit-box-shadow:4px  
4px 4px 4px rgb(58, 32, 3); box-shadow:4px  
4px 4px 4px rgb(58, 32, 3) }
```

Background

The CSS property to change the background color of an element to CIELCh 15, 23.109, 64.657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 32, 3) }
```

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

```
.background{ background-color: rgb(58, 32,  
3) }
```

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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