

Converting Colors

CIELCh(15, 21.916, 53.211)

Have a look what the booklet for
CIELCh(15, 21.916, 53.211) contains.

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Color

CIELCh(15, 21.645, 53.812)

Conversions

Conversions Part 1

Format	Color
Hex	3C1E0C
RGB	60, 30, 12
RGB Percent	24%, 12%, 5%
CMY	0.7651, 0.8827, 0.9534
CMYK	0.00, 0.50, 0.80, 0.77
HSL	23°, 67%, 14%
HSV	23°, 80%, 23%
XYZ	2.3859, 1.9086, 0.5868
YIQ	36.9180, 23.6580, 0.7620

Conversions

Conversions Part 2

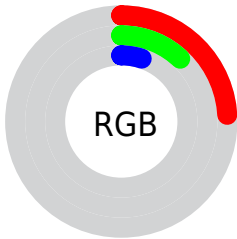
Format	Color
R_{YB}	60, 41, 12
Decimal	3939852
CIE _{Lab}	15.00, 12.78, 17.47
CIE _{LCh}	15, 21.645, 53.812
Yxy	1.9086, 0.4888, 0.3910
Android (android.graphics.Color)	4282129932 (0xFF3C1E0C)
YUV	36.9180, -12.2846, 20.2429
Hunter-Lab	13.8151, 6.6511, 7.1524

Details

The CIELCh color **15, 21.645, 53.812** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **16, 15.245, 255.228**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 21.715, 53.690**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **14, 23.771, 51.333**, and if you desaturate by 10%, it is **16, 19.066, 55.677**.

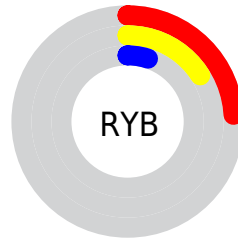
Distribution



Red (24%)

Green (12%)

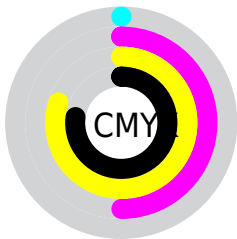
Blue (5%)



Red (24%)

Yellow (16%)

Blue (5%)

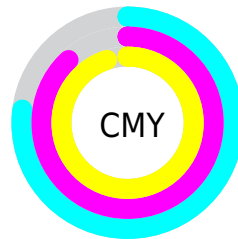


Cyan (0%)

Magenta (50%)

Yellow (80%)

Black (77%)



Cyan (77%)

Magenta (88%)

Yellow (95%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 21.645, 53.812 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, 21.645, 53.812 by changing the saturation by 10% instead.

 15, 21.645, 53.812

 15, 21.645, 53.812

 100, 21.645,
53.812

 5, 21.645, 53.812

 35, 21.645, 53.812

 0, 21.645, 53.812

 45, 21.645, 53.812

 55, 21.645, 53.812

 65, 21.645, 53.812

 75, 21.645, 53.812

 85, 21.645, 53.812

 95, 21.645, 53.812

■ 15, 21.645, 53.812

■ 15, 21.645, 53.812

■ 14, 23.771, 51.333

■ 16, 19.066, 55.677

■ 13, 25.850, 49.420

■ 17, 15.958, 56.421

■ 19, 12.923, 57.070

■ 20, 10.043, 57.764

■ 21, 7.322, 58.496

■ 23, 4.753, 59.255

■ 24, 2.328, 60.010

■ 25, 0.034, 55.115

■ 27, 2.140, 241.819

Harmonies

Complementary

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



15, 21.645, 53.812



16, 15.245, 255.228

Rectangle

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



15, 21.645, 53.812



15, 21.645, 103.812



15, 21.645, 233.812



15, 21.645, 283.812

Sweetspot

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



15, 21.645, 53.816



29, 7.234, 58.874



12, 27.863, 343.953



14, 5.037, 58.762



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



15, 21.645, 53.816



19, 33.459, 52.168



22, 26.108, 96.495



11, 1.288, 60.130



22, 41.131, 52.360



54, 81.986, 51.119

Inverse Universe

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



16, 15.245, 255.228



20, 21.820, 262.405



8, 31.065, 296.917



11, 1.249, 241.764



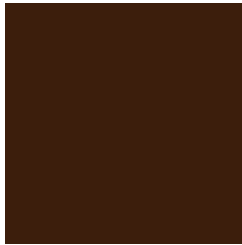
23, 25.901, 265.132



56, 50.963, 269.497

Previews

White Background



This preview shows how the CIE LCh color 15, 21.645, 53.812 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



This preview shows how the CIE LCh color 15, 21.645, 53.812 looks on a 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, 21.645, 53.812

Background



This preview shows how black text looks on a background with the CIELCh color 15, 21.645, 53.812.



This preview shows how white text looks on a background with the CIELCh color 15, 21.645, 53.812.

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, 21.645, 53.812

Protanopia

15, 16.737, 98.028

Deuteranopia

15, 18.448, 83.692



Tritanopia
15, 17.409, 20.086

Trichromacy



Original Color
15, 21.645, 53.812

Protanomaly
15, 17.111, 80.204

Deuteranomaly
15, 18.824, 72.395

Tritanomaly
15, 18.560, 36.692

Monochromacy



Original Color
15, 21.645, 53.812

Achromatopsia
15, 0.003, 296.813

Achromatomaly
14, 7.325, 55.582

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 21.645, 53.812 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(60, 30, 12)` looks like.

```
.text, #text, p{  
    color:rgb(60, 30, 12)  
}
```

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(60, 30, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 30, 12) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 21.645, 53.812 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(60, 30, 12) }
```

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

```
.border{ border-color:rgb(60, 30, 12) }
```

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

Here you see how a box with a 4 pixel rgb(60, 30, 12) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 30, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 30, 12);  
box-shadow:4px 4px 4px 4px rgb(60, 30, 12)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 15, 21.645, 53.812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 30, 12) }
```

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

```
.background{ background-color: rgb(60, 30,  
12) }
```

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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