

Converting Colors

CIElCh(15, 2.586, 30.735)

Have a look what the booklet for
CIELCh(15, 2.586, 30.735) contains.

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Color

CIELCh(15, 2.594, 35.589)

Conversions

Conversions Part 1

Format	Color
Hex	2A2524
RGB	42, 37, 36
RGB Percent	16%, 15%, 14%
CMY	0.8368, 0.8564, 0.8603
CMYK	0.00, 0.12, 0.14, 0.84
HSL	10°, 8%, 15%
HSV	10°, 14%, 16%
XYZ	1.9013, 1.9086, 1.9070
YIQ	38.3810, 3.3010, 0.7490

Conversions

Conversions Part 2

Format	Color
R_YB	42, 37, 36
Decimal	2762020
CIE _{Lab}	15.00, 2.11, 1.51
CIE _{LCh}	15, 2.594, 35.589
Yxy	1.9086, 0.3326, 0.3339
Android (android.graphics.Color)	4280952100 (0xFF2A2524)
YUV	38.3810, -1.1738, 3.1739
Hunter-Lab	13.8151, 0.3898, 1.4866

Details

The CIELCh color **15, 2.594, 35.589** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **16, 2.409, 215.939**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 2.506, 49.242**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **14, 4.544, 35.706**, and if you desaturate by 10%, it is **16, 0.766, 35.439**.

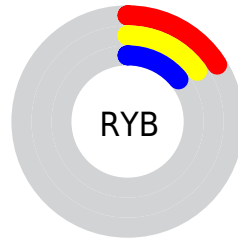
Distribution



Red (16%)

Green (15%)

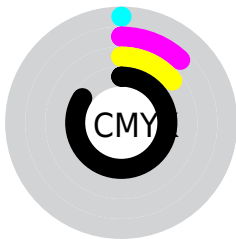
Blue (14%)



Red (16%)

Yellow (15%)

Blue (14%)



Cyan (0%)

Magenta (12%)

Yellow (14%)

Black (84%)



Cyan (84%)

Magenta (86%)

Yellow (86%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 2.594, 35.589 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, 2.594, 35.589 by changing the saturation by 10% instead.

 15, 2.594, 35.589  15, 2.594, 35.589

 100, 2.594, 35.589  5, 2.594, 35.589

 35, 2.594, 35.589  0, 2.594, 35.589

 45, 2.594, 35.589

 55, 2.594, 35.589

 65, 2.594, 35.589

 75, 2.594, 35.589

 85, 2.594, 35.589

 95, 2.594, 35.589

 15, 2.594, 35.589  15, 2.594, 35.589

■ 14, 4.544, 35.706

■ 16, 0.766, 35.439

■ 12, 6.625, 35.881

■ 18, 0.948, 215.947

■ 11, 8.841, 36.165

■ 19, 2.557, 215.935

■ 10, 11.059, 35.631

■ 20, 4.072, 216.056

■ 9, 13.090, 33.636

■ 22, 5.500, 216.220

■ 8, 14.961, 30.934

■ 23, 6.851, 216.410

■ 7, 16.586, 28.970

■ 24, 8.133, 216.618

■ 6, 17.951, 28.521

■ 26, 9.352, 216.838

■ 6, 18.660, 28.478

■ 27, 10.515,
217.065

Harmonies

Complementary

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



15, 2.594, 35.589



16, 2.409, 215.939

Rectangle

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



15, 2.594, 35.589



15, 2.594, 85.589



15, 2.594, 215.589



15, 2.594, 265.589

Sweetspot

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



15, 2.594, 35.606



22, 0.863, 35.431



15, 4.575, 330.064



10, 0.622, 35.443



64, 0.008, 296.813



10, 0.003, 296.813

Same Dimension

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



15, 2.594, 35.606



20, 3.838, 35.636



16, 2.957, 89.671



6, 0.778, 34.916



17, 40.116, 39.109



46, 87.593, 42.378

Inverse Universe

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



16, 2.409, 215.939



21, 3.494, 215.990



15, 2.953, 272.674



6, 0.772, 216.507



27, 19.448, 225.492



66, 37.836, 228.642

Previews

White Background



This preview shows how the CIE LCh color 15, 2.594, 35.589 looks on a white background.

Color Contrast Check

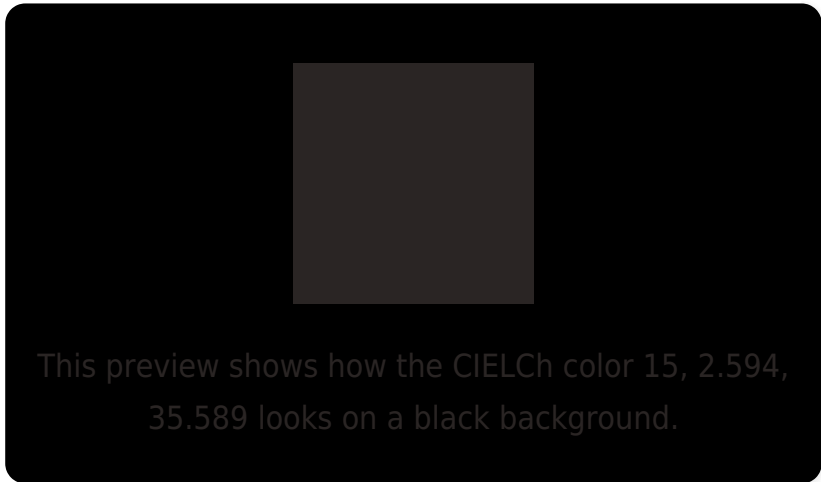
Large Text (above 18pt) WCAG AA ✓ Pass

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

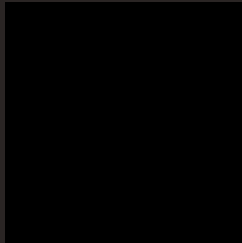
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

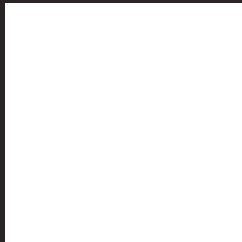
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 15, 2.594, 35.589

Background



This preview shows how black text looks on a background with the CIELCh color 15, 2.594, 35.589.

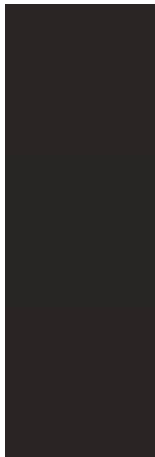


This preview shows how white text looks on a background with the CIELCh color 15, 2.594, 35.589.

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, 2.594, 35.589

Protanopia

15, 1.485, 90.330

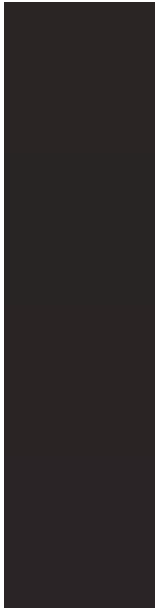
Deuteranopia

15, 2.997, 20.088



Tritanopia
15, 3.623, 344.576

Trichromacy



Original Color

15, 2.594, 35.589

Protanomaly

15, 1.643, 44.973

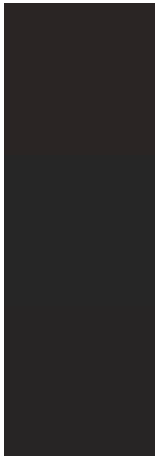
Deuteranomaly

15, 2.997, 20.088

Tritanomaly

15, 3.276, 354.732

Monochromacy



Original Color

15, 2.594, 35.589

Achromatopsia

15, 0.003, 296.813

Achromatomaly

15, 0.981, 19.464

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 2.594, 35.589 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(42, 37, 36)` looks like.

```
.text, #text, p{  
    color:rgb(42, 37, 36)  
}
```

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(42, 37, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 37, 36) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 2.594, 35.589 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(42, 37, 36) }
```

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

```
.border{ border-color:rgb(42, 37, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 37, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 37, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 37, 36);  
box-shadow:4px 4px 4px 4px rgb(42, 37, 36)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 15, 2.594, 35.589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 37, 36) }
```

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

```
.background{ background-color: rgb(42, 37,  
36) }
```

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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