

Converting Colors

CIELCh(18, 6.756, 44.471)

Have a look what the booklet for
CIELCh(18, 6.756, 44.471) contains.

CIELCh(18, 6.756, 44.471)	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(18, 6.756, 44.471)

Conversions

Conversions Part 1

Format	Color
Hex	352925
RGB	53, 41, 37
RGB Percent	21%, 16%, 15%
CMY	0.7905, 0.8376, 0.8534
CMYK	0.00, 0.23, 0.30, 0.79
HSL	15°, 18%, 18%
HSV	15°, 30%, 21%
XYZ	2.6374, 2.5180, 2.1298
YIQ	44.1320, 8.4360, 1.3000

Conversions

Conversions Part 2

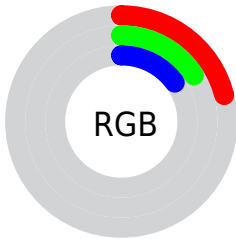
Format	Color
RYB	53, 42, 37
Decimal	3483941
CIELab	18.00, 4.82, 4.73
CIElCh	18, 6.756, 44.471
Yxy	2.5180, 0.3620, 0.3456
Android (android.graphics.Color)	4281674021 (0xFF352925)
YUV	44.1320, -3.5161, 7.7772
Hunter-Lab	15.8683, 1.8978, 3.1501

Details

The CIELCh color **18, 6.756, 44.471** is a dark color, and the websafe version is hex **333333**, and the color name is [betel nut dye \(binrōjizome\)](#). A complement of this color would be **20, 5.741, 227.168**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 6.682, 41.596**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **17, 9.324, 44.329**, and if you desaturate by 10%, it is **19, 4.352, 44.705**.

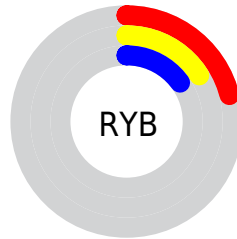
Distribution



 Red (21%)

 Green (16%)

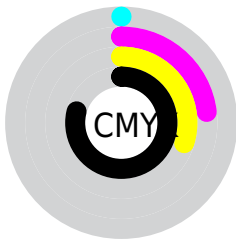
 Blue (15%)



 Red (21%)

 Yellow (16%)

 Blue (15%)

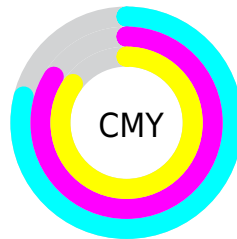


 Cyan (0%)

 Magenta (23%)

 Yellow (30%)

 Black (79%)



 Cyan (79%)

 Magenta (84%)

 Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 6.756, 44.471 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 18, 6.756, 44.471 by changing the saturation by 10% instead.

 18, 6.756, 44.471  18, 6.756, 44.471

 100, 6.756, 44.471  8, 6.756, 44.471

 38, 6.756, 44.471  0, 6.756, 44.471

 48, 6.756, 44.471

 58, 6.756, 44.471

 68, 6.756, 44.471

 78, 6.756, 44.471

 88, 6.756, 44.471

 98, 6.756, 44.471

 18, 6.756, 44.471  18, 6.756, 44.471

17, 9.324, 44.329	19, 4.352, 44.705
15, 12.063, 44.278	21, 2.104, 44.964
14, 14.972, 44.339	22, 0.004, 304.300
13, 17.708, 43.434	24, 1.975, 225.934
12, 20.031, 41.288	25, 3.831, 226.313
11, 22.121, 38.996	27, 5.582, 226.745
10, 24.155, 37.536	28, 7.237, 227.198
	30, 8.808, 227.661
	31, 10.303, 228.127

Harmonies

Complementary

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



18, 6.756, 44.471



20, 5.741, 227.168

Rectangle

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



18, 6.756, 44.471



18, 6.756, 94.471



18, 6.756, 224.471



18, 6.756, 274.471

Sweetspot

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



18, 6.756, 44.480



28, 2.337, 44.977



17, 11.163, 334.038



13, 1.643, 44.965



67, 0.008, 296.813



14, 0.003, 296.813

Same Dimension

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



18, 6.756, 44.480



23, 10.298, 44.355



21, 8.348, 94.162



8, 1.108, 44.871



19, 41.041, 43.802



49, 86.129, 44.947

Inverse Universe

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



20, 5.741, 227.168



25, 8.337, 227.841



17, 8.494, 280.808



9, 1.068, 225.895



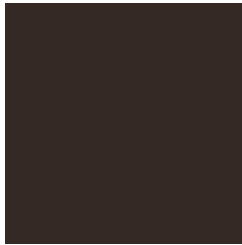
26, 20.898, 242.574



63, 40.591, 246.800

Previews

White Background



This preview shows how the CIELCh color 18, 6.756, 44.471 looks on a white background.

Color Contrast Check

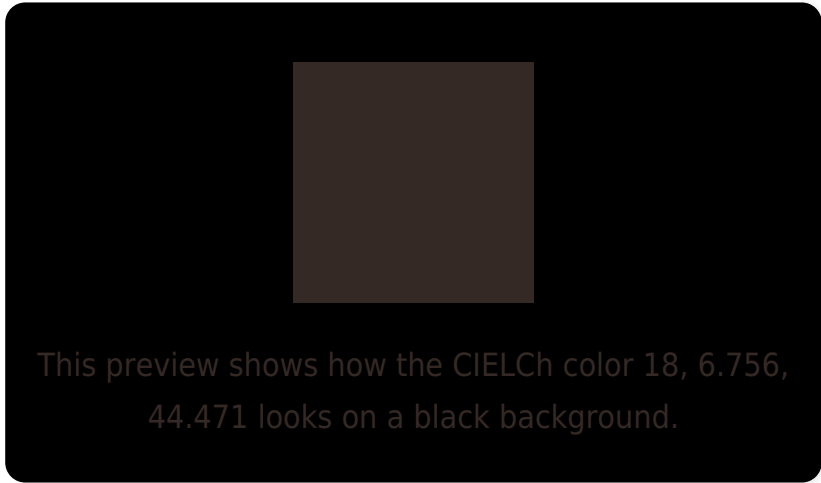
Large Text (above 18pt) WCAG AA ✓ Pass

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

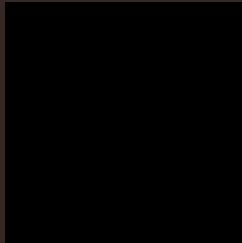
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 6.756, 44.471

Background



This preview shows how black text looks on a background with the CIELCh color 18, 6.756, 44.471.



This preview shows how white text looks on a background with the CIELCh color 18, 6.756, 44.471.

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

18, 6.756, 44.471

Protanopia

18, 3.572, 93.219

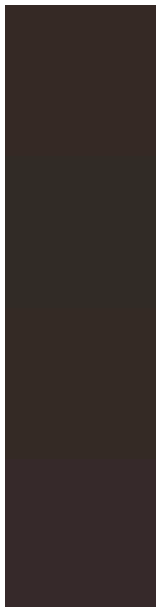
Deuteranopia

18, 5.755, 56.654



Tritanopia
18, 7.331, 359.225

Trichromacy



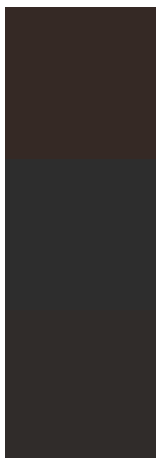
Original Color
18, 6.756, 44.471

Protanomaly
18, 4.583, 68.167

Deuteranomaly
18, 6.182, 53.836

Tritanomaly
18, 6.455, 14.826

Monochromacy



Original Color
18, 6.756, 44.471

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 2.380, 54.813

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 6.756, 44.471 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(53, 41, 37)` looks like.

```
.text, #text, p{  
    color:rgb(53, 41, 37)  
}
```

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(53, 41, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 41, 37) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 6.756, 44.471 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(53, 41, 37) }
```

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

```
.border{ border-color:rgb(53, 41, 37) }
```

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

Here you see how a box with a 4 pixel rgb(53, 41, 37) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 41, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 41, 37);  
box-shadow:4px 4px 4px 4px rgb(53, 41, 37)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 6.756, 44.471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 41, 37) }
```

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

```
.background{ background-color: rgb(53, 41,  
37) }
```

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