

Converting Colors

CIELCh(16, 6.410, 93.084)

Have a look what the booklet for
CIELCh(16, 6.410, 93.084) contains.

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Color

CIELCh(16, 6.454, 94.524)

Conversions

Conversions Part 1

Format	Color
Hex	2B281F
RGB	43, 40, 31
RGB Percent	17%, 16%, 12%
CMY	0.8327, 0.8444, 0.8797
CMYK	0.00, 0.07, 0.28, 0.83
HSL	45°, 16%, 14%
HSV	45°, 28%, 17%
XYZ	1.9733, 2.0993, 1.5757
YIQ	39.8710, 4.6770, -2.1630

Conversions

Conversions Part 2

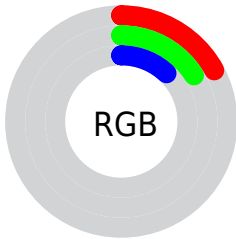
Format	Color
R_{YB}	35, 43, 31
Decimal	2828319
CIE _{Lab}	16.00, -0.51, 6.43
CIE _{LCh}	16, 6.454, 94.524
Yxy	2.0993, 0.3494, 0.3717
Android (android.graphics.Color)	4281018399 (0xFF2B281F)
YUV	39.8710, -4.3734, 2.7441
Hunter-Lab	14.4890, -1.0450, 3.6942

Details

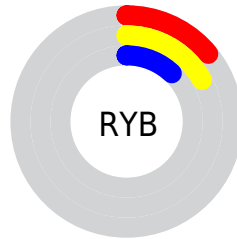
The CIELCh color **16, 6.454, 94.524** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **13, 6.554, 280.360**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 6.423, 92.966**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **16, 8.785, 93.522**, and if you desaturate by 10%, it is **16, 4.137, 95.513**.

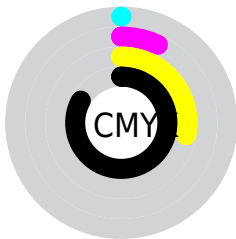
Distribution



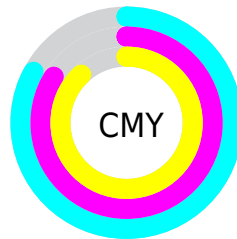
- Red (17%)
- Green (16%)
- Blue (12%)



- Red (14%)
- Yellow (17%)
- Blue (12%)



- Cyan (0%)
- Magenta (7%)
- Yellow (28%)
- Black (83%)



- Cyan (83%)
- Magenta (84%)
- Yellow (88%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 6.454, 94.524 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 16, 6.454, 94.524 by changing the saturation by 10% instead.

 16, 6.454, 94.524  16, 6.454, 94.524

 100, 6.454, 94.524  6, 6.454, 94.524

 36, 6.454, 94.524  0, 6.454, 94.524

 46, 6.454, 94.524

 56, 6.454, 94.524

 66, 6.454, 94.524

 76, 6.454, 94.524

 86, 6.454, 94.524

 96, 6.454, 94.524

 16, 6.454, 94.524  16, 6.454, 94.524

■ 16, 8.785, 93.522	■ 16, 4.137, 95.513
■ 15, 11.117, 92.492	■ 17, 1.838, 96.457
■ 15, 13.337, 91.453	■ 17, 0.437, 277.575
■ 14, 15.115, 90.388	■ 18, 2.688, 278.357
■ 14, 16.458, 89.221	■ 19, 4.915, 279.220
■ 13, 17.653, 88.123	■ 19, 7.117, 280.058
■ 13, 18.849, 87.179	■ 20, 9.295, 280.865
■ 13, 19.078, 87.013	■ 20, 11.450, 281.640
	■ 21, 13.583, 282.381

Harmonies

Complementary

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



16, 6.454, 94.524



13, 6.554, 280.360

Rectangle

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



16, 6.454, 94.524



16, 6.454, 144.524



16, 6.454, 274.524



16, 6.454, 324.524

Sweetspot

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



16, 6.454, 94.531



23, 2.293, 96.419



13, 6.428, 1.869



10, 1.588, 96.387



64, 0.008, 296.813



10, 0.003, 296.813

Same Dimension

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



16, 6.454, 94.531



21, 9.876, 93.720



17, 8.406, 118.496



6, 0.990, 96.672



28, 37.463, 85.169



69, 72.796, 83.234

Inverse Universe

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



13, 6.554, 280.360



17, 10.081, 281.467



12, 8.806, 301.516



6, 1.011, 277.813



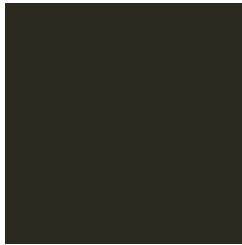
10, 45.407, 297.948



32, 96.702, 300.890

Previews

White Background



This preview shows how the CIELCh color 16, 6.454, 94.524 looks on a white background.

Color Contrast Check

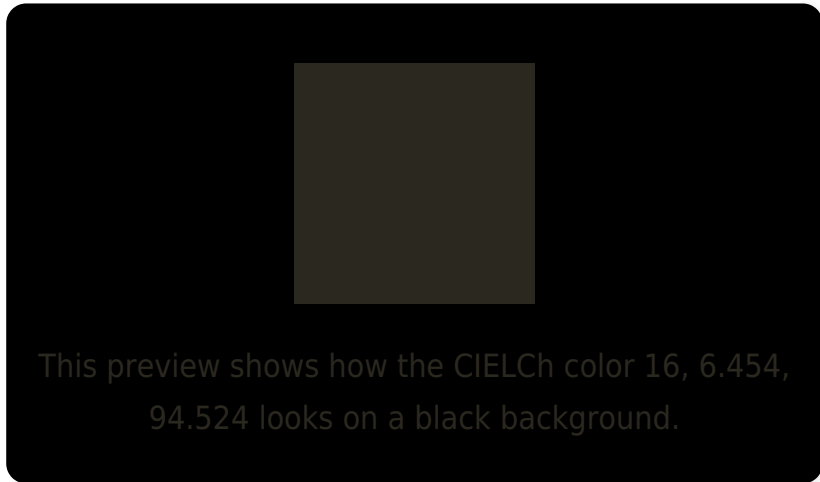
Large Text (above 18pt) WCAG AA ✓ Pass

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

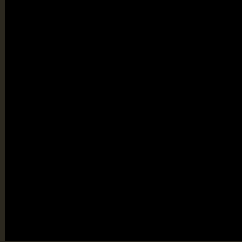
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

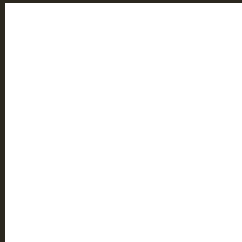
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 16, 6.454, 94.524

Background



This preview shows how black text looks on a background with the CIELCh color 16, 6.454, 94.524.

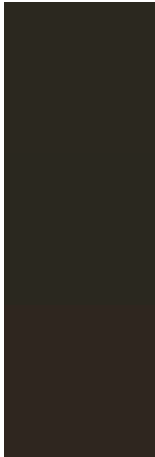


This preview shows how white text looks on a background with the CIELCh color 16, 6.454, 94.524.

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

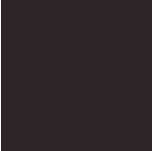
16, 6.454, 94.524

Protanopia

16, 6.348, 99.093

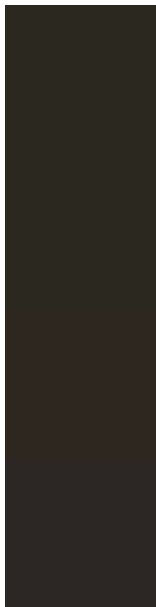
Deuteranopia

16, 6.849, 65.234



Tritanopia
16, 3.596, 344.539

Trichromacy



Original Color

16, 6.454, 94.524

Protanomaly

16, 6.348, 99.093

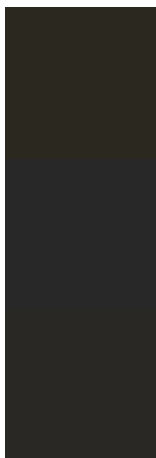
Deuteranomaly

16, 6.421, 79.454

Tritanomaly

16, 2.859, 48.985

Monochromacy



Original Color

16, 6.454, 94.524

Achromatopsia

16, 0.003, 296.813

Achromatomaly

16, 2.146, 96.294

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 6.454, 94.524 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(43, 40, 31)` looks like.

```
.text, #text, p{  
    color:rgb(43, 40, 31)  
}
```

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(43, 40, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 40, 31) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 6.454, 94.524 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(43, 40, 31) }
```

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

```
.border{ border-color:rgb(43, 40, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 40, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 40, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 40, 31);  
box-shadow:4px 4px 4px 4px rgb(43, 40, 31)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 6.454, 94.524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 40, 31) }
```

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

```
.background{ background-color: rgb(43, 40,  
31) }
```

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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