

Converting Colors

CIELCh(18, 27.994, 145.107)

Have a look what the booklet for
CIELCh(18, 27.994, 145.107)
contains.

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Color

CIELCh(18, 28.161, 145.446)

Conversions

Conversions Part 1

Format	Color
Hex	083414
RGB	8, 52, 20
RGB Percent	3%, 20%, 8%
CMY	0.9705, 0.7976, 0.9230
CMYK	0.85, 0.00, 0.62, 0.80
HSL	136°, 75%, 12%
HSV	136°, 85%, 20%
XYZ	1.4274, 2.5180, 1.0558
YIQ	35.1960, -15.9520, -19.2800

Conversions

Conversions Part 2

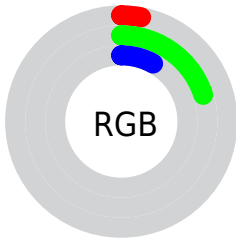
Format	Color
R_{YB}	8, 43, 52
Decimal	537620
CIE _{Lab}	18.00, -23.19, 15.97
CIE _{LCh}	18, 28.161, 145.446
Yxy	2.5180, 0.2854, 0.5035
Android (android.graphics.Color)	4278727700 (0xFF083414)
YUV	35.1960, -7.4916, -23.8509
Hunter-Lab	15.8683, -11.7134, 7.1630

Details

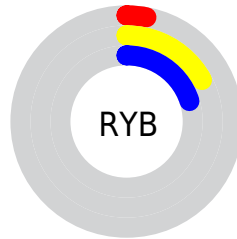
The CIELCh color **18, 28.161, 145.446** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **9, 27.457, 339.149**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 28.179, 145.444**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **18, 30.835, 144.502**, and if you desaturate by 10%, it is **18, 25.408, 146.742**.

Distribution



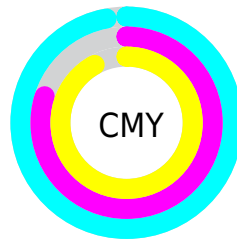
- Red (3%)
- Green (20%)
- Blue (8%)



- Red (3%)
- Yellow (17%)
- Blue (20%)



- Cyan (85%)
- Magenta (0%)
- Yellow (62%)
- Black (80%)



- Cyan (97%)
- Magenta (80%)
- Yellow (92%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 28.161, 145.446 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, 28.161, 145.446 by changing the saturation by 10% instead.

 18, 28.161,
145.446

 18, 28.161,
145.446

 100, 28.161,
145.446

 8, 28.161, 145.446

 38, 28.161,
145.446

 0, 28.161, 145.446

 48, 28.161,
145.446

 58, 28.161,
145.446

 68, 28.161,
145.446

 78, 28.161,
145.446


 88, 28.161,


145.446


 98, 28.161,
145.446


 18, 28.161,
145.446


 18, 28.161,
145.446


 18, 30.835,
144.502


 18, 25.408,
146.742

 18, 32.005,
144.273

 18, 22.432,
147.972

 19, 19.251,
149.076

 19, 15.913,
150.058

 20, 12.466,
150.931

■ 20, 8.957, 151.706

■ 21, 5.422, 152.400

■ 21, 1.895, 153.054

■ 22, 1.598, 333.450

Harmonies

Complementary

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



18, 28.161, 145.446



9, 27.457, 339.149

Rectangle

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



18, 28.161, 145.446



18, 28.161, 195.446



18, 28.161, 325.446



18, 28.161, 15.446

Sweetspot

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



18, 28.161, 145.446



26, 11.306, 151.568



20, 27.365, 117.395



12, 7.497, 151.537



66, 0.008, 296.813



13, 0.003, 296.813

Same Dimension

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



18, 28.161, 145.446



24, 38.658, 142.995



19, 17.846, 172.576



9, 1.917, 152.868



32, 48.390, 141.959



76, 95.890, 140.196

Inverse Universe

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



9, 27.457, 339.149



12, 36.445, 340.962



8, 23.288, 12.349



8, 1.925, 333.699



18, 44.205, 341.733



48, 82.846, 343.273

Previews

White Background



This preview shows how the CIELCh color 18, 28.161, 145.446 looks on a white background.

Color Contrast Check

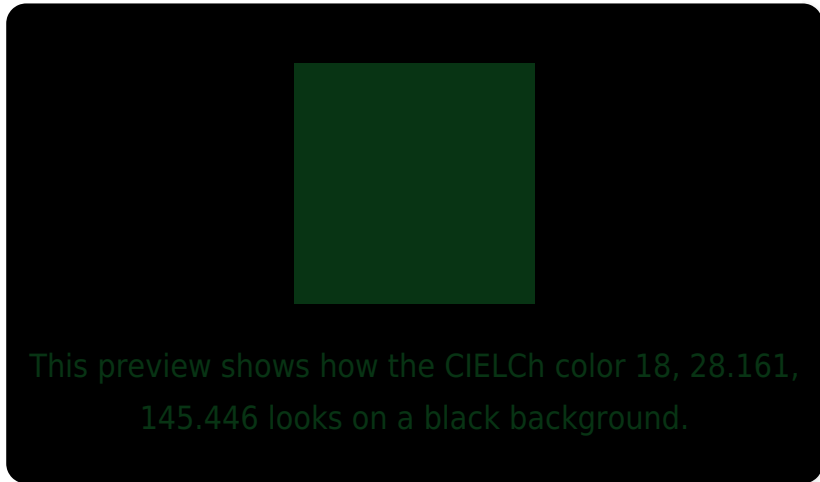
Large Text (above 18pt) WCAG AA ✓ Pass

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

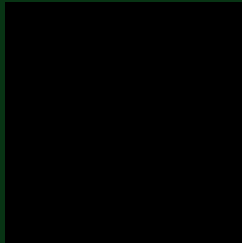
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 28.161, 145.446

Background



This preview shows how black text looks on a background with the CIELCh color 18, 28.161, 145.446.



This preview shows how white text looks on a background with the CIELCh color 18, 28.161, 145.446.

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](#).

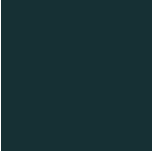
Dichromacy



Original Color
18, 28.161, 145.446

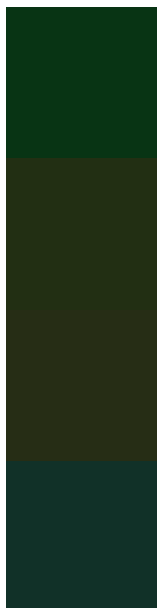
Protanopia
18, 17.631, 96.628

Deuteranopia
18, 15.567, 79.106



Tritanopia
18, 10.302, 213.248

Trichromacy



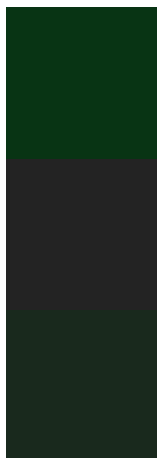
Original Color
18, 28.161, 145.446

Protanomaly
18, 19.810, 125.510

Deuteranomaly
17, 16.556, 118.971

Tritanomaly
18, 14.682, 171.345

Monochromacy



Original Color
18, 28.161, 145.446

Achromatopsia
14, 0.003, 296.813

Achromatomaly
15, 11.515, 149.891

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 28.161, 145.446 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(8, 52, 20)` looks like.

```
.text, #text, p{  
    color:rgb(8, 52, 20)  
}
```

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(8, 52, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 52, 20) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 28.161, 145.446 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(8, 52, 20) }
```

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

```
.border{ border-color:rgb(8, 52, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(8, 52, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 52, 20); -webkit-box-shadow:4px  
4px 4px 4px rgb(8, 52, 20); box-shadow:4px  
4px 4px 4px rgb(8, 52, 20) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 28.161, 145.446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 52, 20) }
```

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

```
.background{ background-color: rgb(8, 52,  
20) }
```

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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