

Converting Colors

CIELCh(18, 29.977, 135.145)

Have a look what the booklet for
CIELCh(18, 29.977, 135.145)
contains.

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Color

CIELCh(18, 29.904, 134.956)

Conversions

Conversions Part 1

Format	Color
Hex	13330A
RGB	19, 51, 10
RGB Percent	7%, 20%, 4%
CMY	0.9259, 0.8004, 0.9613
CMYK	0.63, 0.00, 0.81, 0.80
HSL	107°, 68%, 12%
HSV	107°, 81%, 20%
XYZ	1.5002, 2.5180, 0.6902
YIQ	36.7580, -5.9110, -19.5350

Conversions

Conversions Part 2

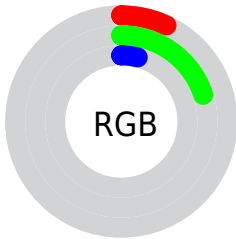
Format	Color
R_{YB}	10, 51, 42
Decimal	1258250
CIE _{Lab}	18.00, -21.13, 21.16
CIE _{LCh}	18, 29.904, 134.956
Yxy	2.5180, 0.3186, 0.5348
Android (android.graphics.Color)	4279448330 (0xFF13330A)
YUV	36.7580, -13.1917, -15.5738
Hunter-Lab	15.8683, -10.8938, 8.5288

Details

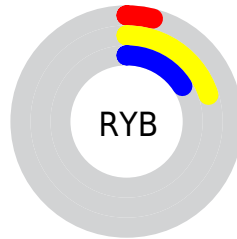
The CIELCh color **18, 29.904, 134.956** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **8, 30.917, 320.696**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 30.156, 135.081**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **18, 32.490, 135.091**, and if you desaturate by 10%, it is **18, 27.012, 134.891**.

Distribution



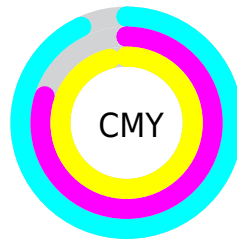
- Red (7%)
- Green (20%)
- Blue (4%)



- Red (4%)
- Yellow (20%)
- Blue (16%)



- Cyan (63%)
- Magenta (0%)
- Yellow (81%)
- Black (80%)



- Cyan (93%)
- Magenta (80%)
- Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 29.904, 134.956 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, 29.904, 134.956 by changing the saturation by 10% instead.

■ 18, 29.904,
134.956

■ 18, 29.904,
134.956

■ 100, 29.904,
134.956

■ 8, 29.904, 134.956

■ 38, 29.904,
134.956

■ 0, 29.904, 134.956

■ 48, 29.904,
134.956

■ 58, 29.904,
134.956


■ 68, 29.904,
134.956


■ 78, 29.904,
134.956


■ 88, 29.904,


134.956

 98, 29.904,
134.956


 18, 29.904,
134.956


 18, 29.904,
134.956


 18, 32.490,
135.091


 18, 27.012,
134.891

 18, 34.860,
135.026

 19, 23.567,
135.330

 19, 19.866,
135.875

 19, 16.024,
136.411

 20, 12.099,
136.918

■ 20, 8.138, 137.388

■ 21, 4.176, 137.820

■ 21, 0.238, 138.508

■ 22, 3.655, 318.495

Harmonies

Complementary

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



18, 29.904, 134.956



8, 30.917, 320.696

Rectangle

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



18, 29.904, 134.956



18, 29.904, 184.956



18, 29.904, 314.956



18, 29.904, 4.956

Sweetspot

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



18, 29.904, 134.957



27, 11.836, 137.175



17, 20.732, 89.842



12, 7.955, 137.140



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, 29.904, 134.957



24, 42.489, 133.649



18, 26.733, 145.800



9, 2.172, 137.943



33, 53.932, 133.587



76, 103.822, 134.505

Inverse Universe

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



8, 30.917, 320.696



10, 43.622, 320.805



10, 26.224, 338.309



8, 2.185, 318.475



16, 54.790, 320.536



43, 104.527, 319.920

Previews

White Background



This preview shows how the CIELCh color 18, 29.904, 134.956 looks on a white background.

Color Contrast Check

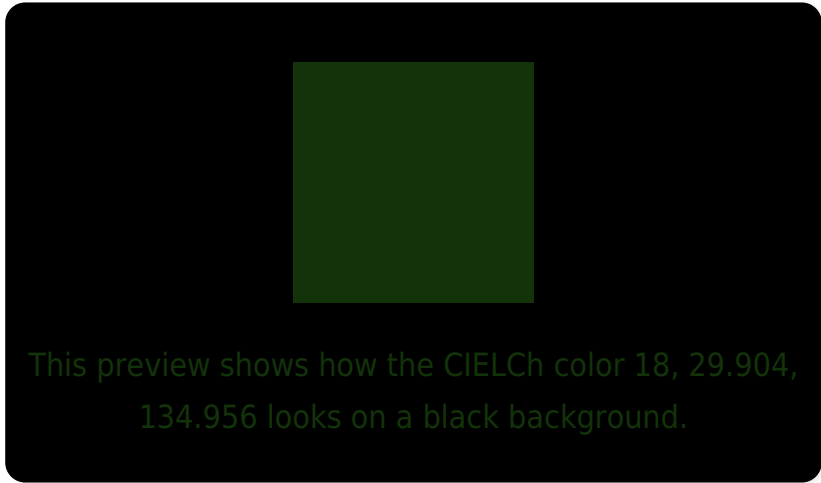
Large Text (above 18pt) WCAG AA ✓ Pass

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, 29.904, 134.956

Background



This preview shows how black text looks on a background with the CIELCh color 18, 29.904, 134.956.



This preview shows how white text looks on a background with the CIELCh color 18, 29.904, 134.956.

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, 29.904, 134.956

Protanopia
18, 22.519, 96.032

Deuteranopia
18, 20.037, 83.820



Tritanopia
18, 8.148, 217.958

Trichromacy



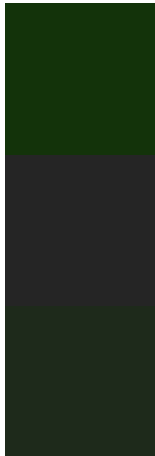
Original Color
18, 29.904, 134.956

Protanomaly
18, 23.903, 115.079

Deuteranomaly
17, 21.160, 109.414

Tritanomaly
18, 13.413, 158.649

Monochromacy



Original Color
18, 29.904, 134.956

Achromatopsia
15, 0.003, 296.813

Achromatomaly
16, 12.068, 137.319

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 29.904, 134.956 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(19, 51, 10)` looks like.

```
.text, #text, p{  
    color:rgb(19, 51, 10)  
}
```

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(19, 51, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 51, 10) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 29.904, 134.956 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(19, 51, 10) }
```

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

```
.border{ border-color:rgb(19, 51, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 51, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 51, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 51, 10);  
box-shadow:4px 4px 4px 4px rgb(19, 51, 10)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 29.904, 134.956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 51, 10) }
```

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

```
.background{ background-color: rgb(19, 51,  
10) }
```

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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