

Converting Colors

CIELCh(20, 18.013, 131.705)

Have a look what the booklet for
CIElCh(20, 18.013, 131.705)
contains.

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Color

CIELCh(20, 18.398, 131.916)

Conversions

Conversions Part 1

Format	Color
Hex	25351C
RGB	37, 53, 28
RGB Percent	15%, 21%, 11%
CMY	0.8561, 0.7933, 0.8913
CMYK	0.30, 0.00, 0.47, 0.79
HSL	98°, 31%, 16%
HSV	98°, 47%, 21%
XYZ	2.2180, 2.9891, 1.5411
YIQ	45.3660, -1.5110, -11.1670

Conversions

Conversions Part 2

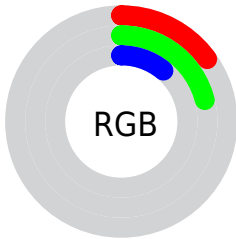
Format	Color
R_{YB}	28, 53, 44
Decimal	2438428
CIE _{Lab}	20.00, -12.29, 13.69
CIE _{LCh}	20, 18.398, 131.916
Yxy	2.9891, 0.3287, 0.4429
Android (android.graphics.Color)	4280628508 (0xFF25351C)
YUV	45.3660, -8.5614, -7.3370
Hunter-Lab	17.2889, -7.3558, 6.8172

Details

The CIELCh color **20, 18.398, 131.916** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **13, 19.104, 315.547**, and the grayscale version is **19, 0.003, 296.813**.

A 20% lighter version of the original color is **40, 18.641, 132.707**, and **0, 0.492, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **20, 22.106, 131.494**, and if you desaturate by 10%, it is **20, 14.579, 132.353**.

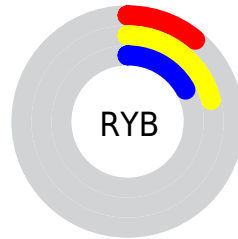
Distribution



Red (15%)

Green (21%)

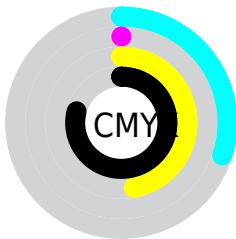
Blue (11%)



Red (11%)

Yellow (21%)

Blue (17%)

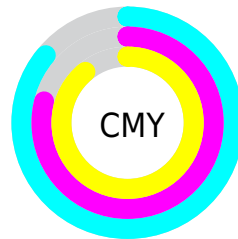


Cyan (30%)

Magenta (0%)

Yellow (47%)

Black (79%)



Cyan (86%)

Magenta (79%)

Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 20, 18.398, 131.916 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 20, 18.398, 131.916 by changing the saturation by 10% instead.

■ 20, 18.398,
131.916

■ 20, 18.398,
131.916

■ 100, 18.398,
131.916

■ 10, 18.398,
131.916

■ 40, 18.398,
131.916

■ 0, 18.398, 131.916

■ 50, 18.398,
131.916

■ 60, 18.398,
131.916

■ 70, 18.398,
131.916

■ 80, 18.398,
131.916

■ 90, 18.398,

131.916

■ 20, 18.398,
131.916

■ 20, 18.398,
131.916

■ 20, 22.106,
131.494

■ 20, 14.579,
132.353

■ 19, 25.634,
131.116

■ 21, 10.695,
132.780

■ 19, 28.765,
131.060

■ 21, 6.785, 133.188

■ 19, 31.406,
131.389

■ 22, 2.876, 133.577

■ 22, 1.011, 313.836

■ 19, 33.994,
131.600

■ 23, 4.861, 314.199

■ 19, 34.663,
131.632

■ 23, 8.661, 314.487

■ 24, 12.404,
314.741

■ 24, 16.084,
314.968

Harmonies

Complementary

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



20, 18.398, 131.916



13, 19.104, 315.547

Rectangle

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



20, 18.398, 131.916



20, 18.398, 181.916



20, 18.398, 311.916



20, 18.398, 1.916

Sweetspot

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



20, 18.399, 131.917



28, 6.825, 133.293



18, 11.934, 83.093



13, 4.760, 133.265



67, 0.008, 296.813



14, 0.003, 296.813

Same Dimension

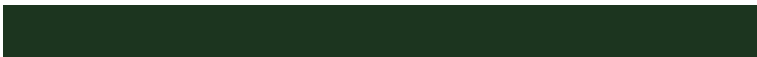
The Same Dimension uses a secret algorithm to generate beautiful new colors.



20, 18.399, 131.917



26, 27.388, 131.391



19, 18.745, 145.123



9, 2.088, 133.569



33, 52.219, 130.848



77, 100.762, 132.083

Inverse Universe

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



13, 19.104, 315.547



16, 28.717, 315.972



14, 18.738, 330.717



8, 2.106, 314.078



13, 56.037, 316.299



39, 107.235, 315.438

Previews

White Background



This preview shows how the CIELCh color 20, 18.398, 131.916 looks on a white background.

Color Contrast Check

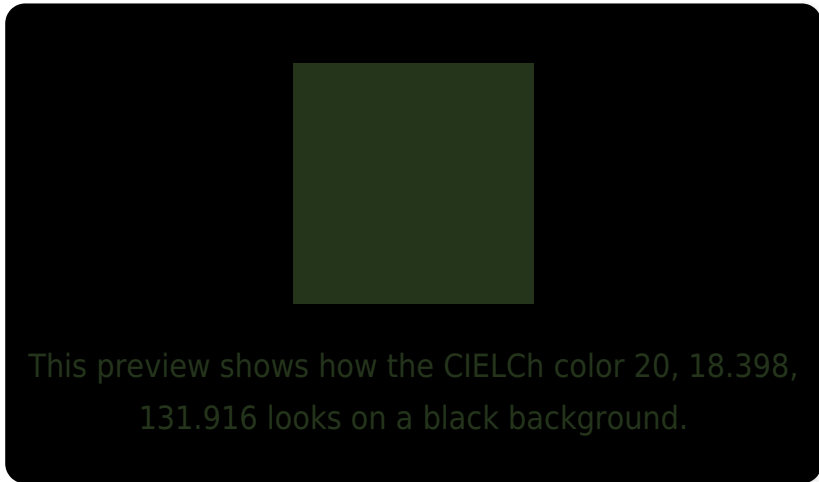
Large Text (above 18pt) WCAG AA ✓ Pass

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

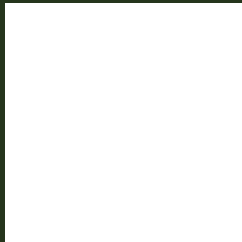
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 20, 18.398, 131.916

Background



This preview shows how black text looks on a background with the CIELCh color 20, 18.398, 131.916.

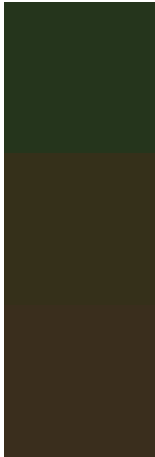


This preview shows how white text looks on a background with the CIELCh color 20, 18.398, 131.916.

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](#).

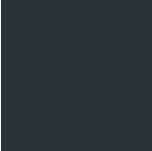
Dichromacy



Original Color
20, 18.398, 131.916

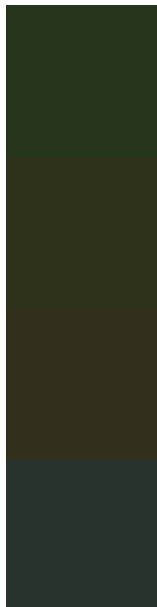
Protanopia
20, 14.968, 96.263

Deuteranopia
20, 13.280, 78.438



Tritanopia
20, 4.695, 234.386

Trichromacy



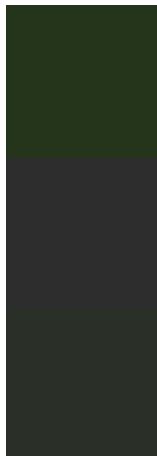
Original Color
20, 18.398, 131.916

Protanomaly
20, 15.357, 112.350

Deuteranomaly
20, 12.805, 102.328

Tritanomaly
20, 7.373, 157.812

Monochromacy



Original Color
20, 18.398, 131.916

Achromatopsia
18, 0.003, 296.813

Achromatomaly
19, 6.809, 134.001

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 18.398, 131.916 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(37, 53, 28)` looks like.

```
.text, #text, p{  
    color:rgb(37, 53, 28)  
}
```

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(37, 53, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 53, 28) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 18.398, 131.916 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(37, 53, 28) }
```

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

```
.border{ border-color:rgb(37, 53, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 53, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 53, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 53, 28);  
box-shadow:4px 4px 4px 4px rgb(37, 53, 28)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 18.398, 131.916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 53, 28) }
```

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

```
.background{ background-color: rgb(37, 53,  
28) }
```

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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