

Converting Colors

CIELCh(21, 23.557, 136.840)

Have a look what the booklet for
CIELCh(21, 23.557, 136.840)
contains.

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Color

CIELCh(21, 23.801, 137.114)

Conversions

Conversions Part 1

Format	Color
Hex	1F391A
RGB	31, 57, 26
RGB Percent	12%, 22%, 10%
CMY	0.8800, 0.7780, 0.8995
CMYK	0.46, 0.00, 0.55, 0.78
HSL	110°, 38%, 16%
HSV	110°, 55%, 22%
XYZ	2.1792, 3.2451, 1.4675
YIQ	45.6920, -5.5450, -15.1530

Conversions

Conversions Part 2

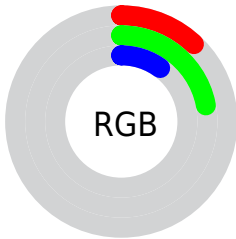
Format	Color
R_YB	26, 57, 52
Decimal	2046234
CIE _{Lab}	21.00, -17.44, 16.20
CIE _{LCh}	21, 23.801, 137.114
Yxy	3.2451, 0.3162, 0.4709
Android (android.graphics.Color)	4280236314 (0xFF1F391A)
YUV	45.6920, -9.7082, -12.8849
Hunter-Lab	18.0142, -9.9318, 7.7801

Details

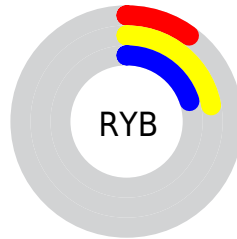
The CIELCh color **21, 23.801, 137.114** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **14, 24.122, 322.029**, and the grayscale version is **19, 0.003, 296.813**.

A 20% lighter version of the original color is **41, 23.513, 137.019**, and **2, 3.939, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **21, 27.781, 136.475**, and if you desaturate by 10%, it is **21, 19.606, 137.743**.

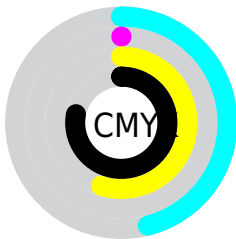
Distribution



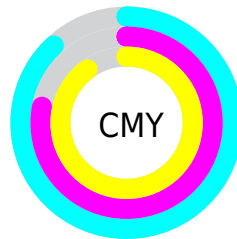
- Red (12%)
- Green (22%)
- Blue (10%)



- Red (10%)
- Yellow (22%)
- Blue (20%)



- Cyan (46%)
- Magenta (0%)
- Yellow (55%)
- Black (78%)



- Cyan (88%)
- Magenta (78%)
- Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 21, 23.801, 137.114 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 21, 23.801, 137.114 by changing the saturation by 10% instead.

■ 21, 23.801,
137.114

■ 21, 23.801,
137.114

■ 100, 23.801,
137.114

■ 11, 23.801,
137.114

■ 41, 23.801,
137.114

■ 1, 23.801, 137.114

■ 51, 23.801,
137.114

■ 0, 23.801, 137.114

■ 61, 23.801,
137.114

■ 71, 23.801,
137.114

■ 81, 23.801,
137.114

■ 91, 23.801,

137.114

■ 21, 23.801,
137.114

■ 21, 23.801,
137.114

■ 21, 27.781,
136.475

■ 21, 19.606,
137.743

■ 20, 31.434,
135.878

■ 22, 15.276,
138.335

■ 20, 34.475,
135.669

■ 22, 10.876,
138.879

■ 20, 37.227,
135.425

■ 23, 6.457, 139.371

■ 20, 38.642,
135.212

■ 23, 2.055, 139.834

■ 24, 2.300, 320.132

■ 25, 6.588, 320.492

■ 26, 10.794,
320.789

■ 26, 14.909,
321.046

Harmonies

Complementary

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



21, 23.801, 137.114



14, 24.122, 322.029

Rectangle

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



21, 23.801, 137.114



21, 23.801, 187.114



21, 23.801, 317.114



21, 23.801, 7.114

Sweetspot

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



21, 23.801, 137.115



30, 8.787, 139.273



21, 17.229, 96.964



14, 5.991, 139.246



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



21, 23.801, 137.115



28, 35.142, 136.194



21, 19.614, 151.269



10, 2.404, 139.665



33, 55.601, 134.448



77, 105.649, 135.162

Inverse Universe

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



14, 24.122, 322.029



17, 35.578, 322.413



14, 19.893, 339.459



9, 2.415, 320.274



17, 55.456, 322.500



46, 104.550, 322.045

Previews

White Background



This preview shows how the CIELCh color 21, 23.801, 137.114 looks on a white background.

Color Contrast Check

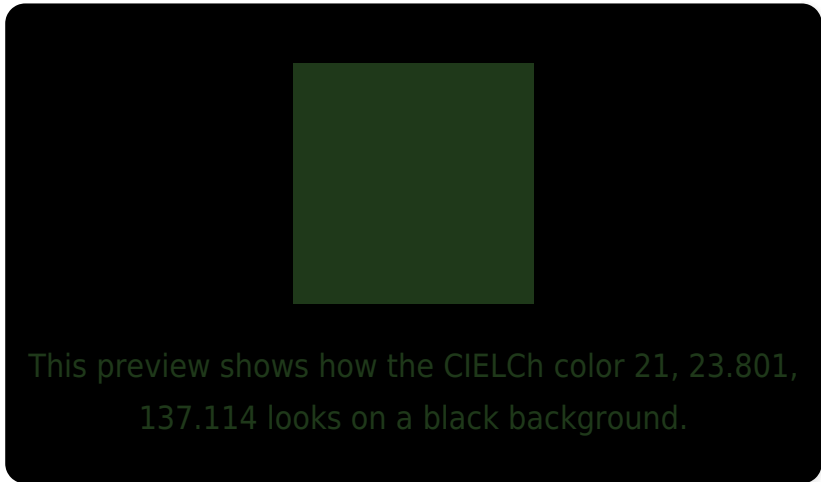
Large Text (above 18pt) WCAG AA ✓ Pass

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

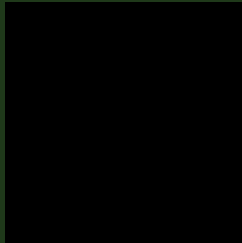
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 21, 23.801, 137.114

Background



This preview shows how black text looks on a background with the CIELCh color 21, 23.801, 137.114.



This preview shows how white text looks on a background with the CIELCh color 21, 23.801, 137.114.

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

21, 23.801, 137.114

Protanopia

21, 17.967, 97.370

Deuteranopia

21, 15.521, 77.954



Tritanopia
21, 7.091, 220.870

Trichromacy



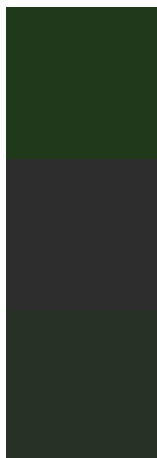
Original Color
21, 23.801, 137.114

Protanomaly
21, 18.567, 115.612

Deuteranomaly
21, 15.866, 106.399

Tritanomaly
21, 10.152, 165.260

Monochromacy



Original Color
21, 23.801, 137.114

Achromatopsia
18, 0.003, 296.813

Achromatomaly
19, 8.688, 138.428

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 23.801, 137.114 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(31, 57, 26)` looks like.

```
.text, #text, p{  
    color:rgb(31, 57, 26)  
}
```

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(31, 57, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 57, 26) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 23.801, 137.114 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(31, 57, 26) }
```

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

```
.border{ border-color:rgb(31, 57, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 57, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 57, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 57, 26);  
box-shadow:4px 4px 4px 4px rgb(31, 57, 26)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 21, 23.801, 137.114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 57, 26) }
```

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

```
.background{ background-color: rgb(31, 57,  
26) }
```

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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