

Converting Colors

CIELCh(20, 20.867, 137.291)

Have a look what the booklet for
CIELCh(20, 20.867, 137.291)
contains.

CIELCh(20, 21.087, 137.758)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(20, 21.087, 137.758)

Conversions

Conversions Part 1

Format	Color
Hex	1F361B
RGB	31, 54, 27
RGB Percent	12%, 21%, 11%
CMY	0.8791, 0.7889, 0.8947
CMYK	0.43, 0.00, 0.50, 0.79
HSL	111°, 33%, 16%
HSV	111°, 50%, 21%
XYZ	2.0669, 2.9891, 1.4951
YIQ	44.0450, -5.0410, -13.2730

Conversions

Conversions Part 2

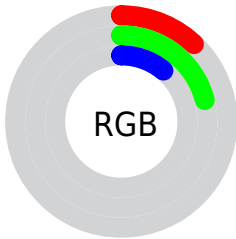
Format	Color
R_YB	27, 54, 50
Decimal	2045467
CIE _{Lab}	20.00, -15.61, 14.18
CIE _{LCh}	20, 21.087, 137.758
Yxy	2.9891, 0.3155, 0.4563
Android (android.graphics.Color)	4280235547 (0xFF1F361B)
YUV	44.0450, -8.4032, -11.4405
Hunter-Lab	17.2889, -8.9154, 6.9748

Details

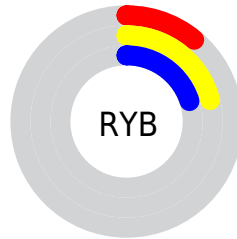
The CIELCh color **20, 21.087, 137.758** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **14, 21.332, 322.254**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **40, 21.123, 138.292**, and **0, 0.492, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **20, 25.031, 137.109**, and if you desaturate by 10%, it is **20, 16.978, 138.380**.

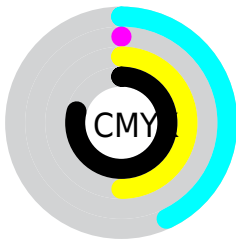
Distribution



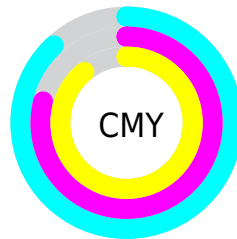
- Red (12%)
- Green (21%)
- Blue (11%)



- Red (11%)
- Yellow (21%)
- Blue (20%)



- Cyan (43%)
- Magenta (0%)
- Yellow (50%)
- Black (79%)





- Cyan (88%)
- Magenta (79%)
- Yellow (89%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 20, 21.087, 137.758 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, 21.087, 137.758 by changing the saturation by 10% instead.

 20, 21.087,
137.758


 20, 21.087,
137.758


 100, 21.087,
137.758


 10, 21.087,
137.758


 40, 21.087,
137.758

 0, 21.087, 137.758

 50, 21.087,
137.758

 60, 21.087,
137.758

 70, 21.087,
137.758

 80, 21.087,
137.758

 90, 21.087,

137.758

■ 20, 21.087,
137.758

■ 20, 21.087,
137.758

■ 20, 25.031,
137.109

■ 20, 16.978,
138.380

■ 19, 28.719,
136.463

■ 21, 12.771,
138.955

■ 19, 31.878,
136.182

■ 21, 8.522, 139.478

■ 19, 34.575,
136.087

■ 22, 4.272, 139.952

■ 23, 0.054, 141.993

■ 19, 37.148,
135.798

■ 23, 4.109, 320.680

■ 24, 8.200, 321.006

■ 25, 12.208,
321.284

■ 25, 16.124,
321.525

Harmonies

Complementary

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



20, 21.087, 137.758



14, 21.332, 322.254

Rectangle

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



20, 21.087, 137.758



20, 21.087, 187.758



20, 21.087, 317.758



20, 21.087, 7.758

Sweetspot

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



20, 21.087, 137.759



28, 7.790, 139.693



21, 15.403, 98.476



13, 5.369, 139.665



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, 21.087, 137.759



26, 30.577, 136.932



20, 17.094, 152.483



10, 2.414, 140.031



33, 55.709, 134.596



77, 105.807, 135.274

Inverse Universe

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



14, 21.332, 322.254



17, 30.926, 322.639



14, 17.395, 339.838



9, 2.424, 320.648



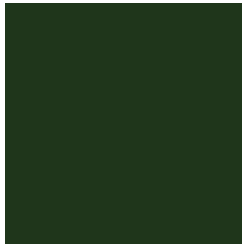
17, 55.377, 322.936



47, 104.382, 322.513

Previews

White Background



This preview shows how the CIELCh color 20, 21.087, 137.758 looks on a white background.

Color Contrast Check

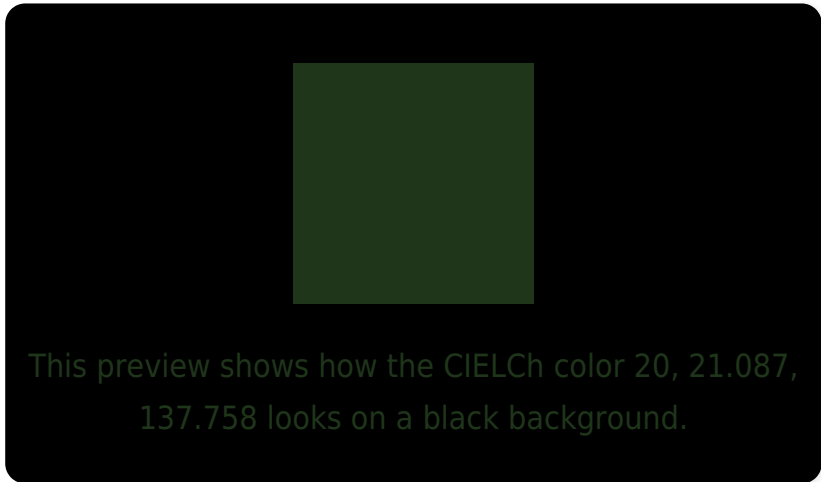
Large Text (above 18pt) WCAG AA ✓ Pass

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

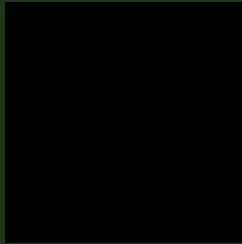
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 21.087, 137.758

Background



This preview shows how black text looks on a background with the CIELCh color 20, 21.087, 137.758.



This preview shows how white text looks on a background with the CIELCh color 20, 21.087, 137.758.

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](#).

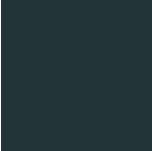
Dichromacy



Original Color
20, 21.087, 137.758

Protanopia
20, 15.601, 96.488

Deuteranopia
20, 13.569, 76.484



Tritanopia
20, 6.763, 222.219

Trichromacy



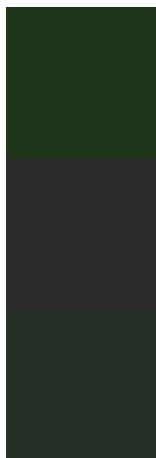
Original Color
20, 21.087, 137.758

Protanomaly
20, 16.135, 115.636

Deuteranomaly
20, 14.024, 106.756

Tritanomaly
20, 9.448, 167.273

Monochromacy



Original Color
20, 21.087, 137.758

Achromatopsia
18, 0.003, 296.813

Achromatomaly
19, 8.128, 140.782

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 21.087, 137.758 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, 54, 27)` looks like.

```
.text, #text, p{  
    color:rgb(31, 54, 27)  
}
```

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, 54, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 54, 27) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 21.087, 137.758 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, 54, 27) }
```

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

```
.border{ border-color:rgb(31, 54, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 54, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 54, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 54, 27);  
box-shadow:4px 4px 4px 4px rgb(31, 54, 27)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 21.087, 137.758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 54, 27) }
```

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

```
.background{ background-color: rgb(31, 54,  
27) }
```

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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