

Converting Colors

CIELCh(20, 20.867, 150.703)

Have a look what the booklet for
CIElCh(20, 20.867, 150.703)
contains.

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Color

CIELCh(20, 20.867, 150.713)

Conversions

Conversions Part 1

Format	Color
Hex	163721
RGB	22, 55, 33
RGB Percent	9%, 22%, 13%
CMY	0.9146, 0.7851, 0.8714
CMYK	0.60, 0.00, 0.40, 0.79
HSL	140°, 43%, 15%
HSV	140°, 60%, 21%
XYZ	1.9540, 2.9891, 1.8984
YIQ	42.6250, -12.6060, -13.8380

Conversions

Conversions Part 2

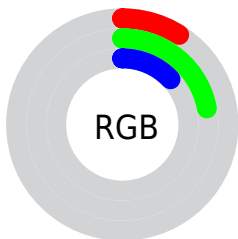
Format	Color
R_{YB}	22, 47, 55
Decimal	1455905
CIE _{Lab}	20.00, -18.20, 10.21
CIE _{LCh}	20, 20.867, 150.713
Yxy	2.9891, 0.2856, 0.4369
Android (android.graphics.Color)	4279645985 (0xFF163721)
YUV	42.6250, -4.7451, -18.0881
Hunter-Lab	17.2889, -10.0811, 5.5918

Details

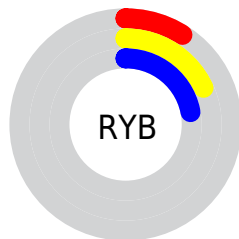
The CIELCh color **20, 20.867, 150.713** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **13, 21.123, 339.932**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **40, 20.842, 150.402**, and **0, 0.492, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **20, 23.944, 149.493**, and if you desaturate by 10%, it is **20, 17.605, 151.801**.

Distribution



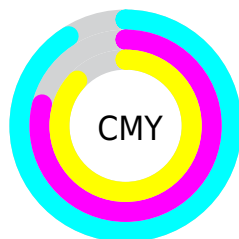
- Red (9%)
- Green (22%)
- Blue (13%)



- Red (9%)
- Yellow (18%)
- Blue (22%)



- Cyan (60%)
- Magenta (0%)
- Yellow (40%)
- Black (79%)





- Cyan (91%)
- Magenta (79%)
- Yellow (87%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 20, 20.867, 150.713 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, 20.867, 150.713 by changing the saturation by 10% instead.

 20, 20.867,
150.713


 20, 20.867,
150.713


 100, 20.867,
150.713


 10, 20.867,
150.713


 40, 20.867,
150.713

 0, 20.867, 150.713

 50, 20.867,
150.713

 60, 20.867,
150.713

 70, 20.867,
150.713

 80, 20.867,
150.713

 90, 20.867,

150.713

■ 20, 20.867,
150.713

■ 20, 20.867,
150.713

■ 20, 23.944,
149.493

■ 20, 17.605,
151.801

■ 19, 26.789,
148.133

■ 21, 14.205,
152.769

■ 19, 29.465,
146.821

■ 21, 10.713,
153.630

■ 19, 32.058,
145.868

■ 22, 7.171, 154.400

■ 22, 3.617, 155.102

■ 23, 0.081, 157.420

■ 24, 3.415, 336.185

■ 24, 6.851, 336.706

■ 25, 10.215,
337.168

Harmonies

Complementary

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



20, 20.867, 150.713



13, 21.123, 339.932

Rectangle

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



20, 20.867, 150.713



20, 20.867, 200.713



20, 20.867, 330.713



20, 20.867, 20.713

Sweetspot

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



20, 20.867, 150.713



29, 7.959, 154.498



21, 22.024, 120.323



13, 5.421, 154.430



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, 20.867, 150.713



26, 30.311, 148.783



20, 13.737, 180.986



10, 1.994, 155.230



33, 47.323, 143.813



77, 92.835, 141.981

Inverse Universe

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



13, 21.123, 339.932



16, 30.247, 341.412



12, 17.594, 13.010



9, 2.005, 336.140



18, 43.442, 345.751



48, 80.513, 347.753

Previews

White Background



This preview shows how the CIELCh color 20, 20.867, 150.713 looks on a white background.

Color Contrast Check

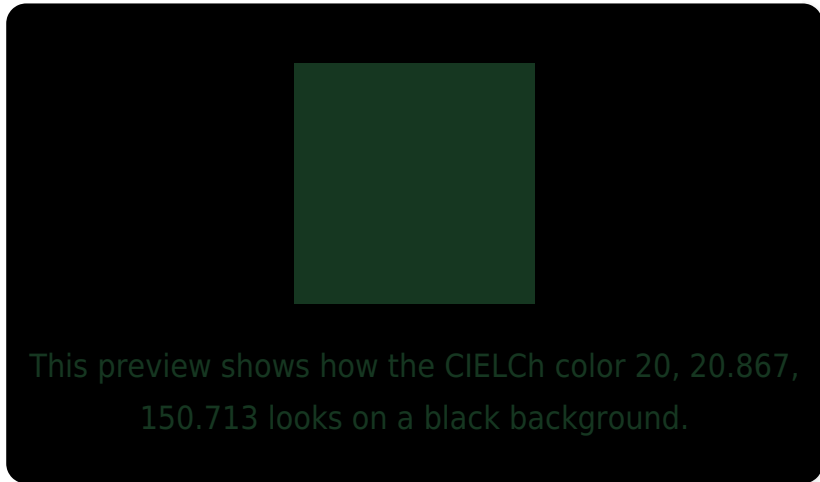
Large Text (above 18pt) WCAG AA ✓ Pass

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

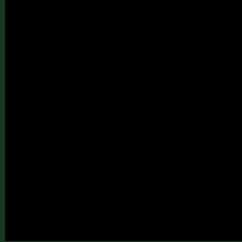
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 20.867, 150.713

Background



This preview shows how black text looks on a background with the CIELCh color 20, 20.867, 150.713.



This preview shows how white text looks on a background with the CIELCh color 20, 20.867, 150.713.

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](#).

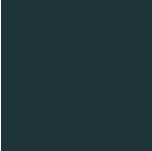
Dichromacy



Original Color
20, 20.867, 150.713

Protanopia
20, 12.402, 94.962

Deuteranopia
20, 9.474, 71.310



Tritanopia
20, 9.419, 214.752

Trichromacy



Original Color
20, 20.867, 150.713

Protanomaly
20, 13.376, 124.696

Deuteranomaly
19, 10.432, 121.651

Tritanomaly
20, 11.807, 180.303

Monochromacy



Original Color
20, 20.867, 150.713

Achromatopsia
17, 0.003, 296.813

Achromatomaly
18, 7.956, 154.044

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 20.867, 150.713 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(22, 55, 33)` looks like.

```
.text, #text, p{  
    color:rgb(22, 55, 33)  
}
```

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(22, 55, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 55, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 20.867, 150.713 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(22, 55, 33) }
```

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

```
.border{ border-color:rgb(22, 55, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 55, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 55, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 55, 33);  
box-shadow:4px 4px 4px 4px rgb(22, 55, 33)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 20.867, 150.713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 55, 33) }
```

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

```
.background{ background-color: rgb(22, 55,  
33) }
```

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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