

Converting Colors

CIELCh(20, 12.321, 195.384)

Have a look what the booklet for
CIELCh(20, 12.321, 195.384)
contains.

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Color

CIELCh(20, 12.226, 197.140)

Conversions

Conversions Part 1

Format	Color
Hex	153535
RGB	21, 53, 53
RGB Percent	8%, 21%, 21%
CMY	0.9167, 0.7912, 0.7912
CMYK	0.60, 0.00, 0.00, 0.79
HSL	180°, 43%, 15%
HSV	180°, 60%, 21%
XYZ	2.2464, 2.9891, 3.8549
YIQ	43.4320, -19.0720, -6.7840

Conversions

Conversions Part 2

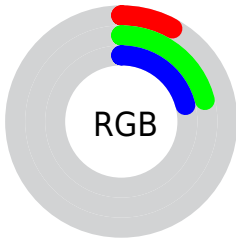
Format	Color
R_{YB}	21, 37, 53
Decimal	1389877
CIE Lab	20.00, -11.68, -3.60
CIE LCh	20, 12.226, 197.140
Yxy	2.9891, 0.2471, 0.3288
Android (android.graphics.Color)	4279579957 (0xFF153535)
YUV	43.4320, 4.7170, -19.6729
Hunter-Lab	17.2889, -7.0624, -1.1176




Details

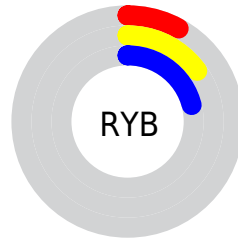
The CIELCh color **20, 12.226, 197.140** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **12, 17.706, 25.185**, and the grayscale version is **18, 0.003, 296.813**.




A 20% lighter version of the original color is **40, 12.233, 195.031**, and **0, 3.226, 290.178** is the 20% darker color. If you saturate the color by 10%, you get **20, 13.561, 196.899**, and if you desaturate by 10%, it is **20, 10.651, 197.424**.

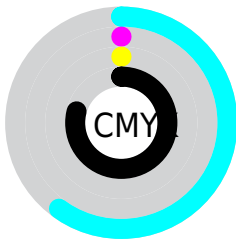
Distribution







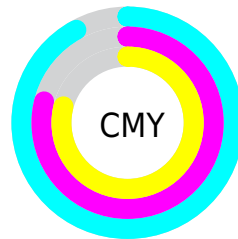
-  Red (8%)
-  Green (21%)
-  Blue (21%)






-  Red (8%)
-  Yellow (15%)
-  Blue (21%)



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





-  Cyan (92%)
-  Magenta (79%)
-  Yellow (79%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 20, 12.226, 197.140 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, 12.226, 197.140 by changing the saturation by 10% instead.

 20, 12.226,
197.140


 20, 12.226,
197.140


 100, 12.226,
197.140


 10, 12.226,
197.140


 40, 12.226,
197.140

 0, 12.226, 197.140

 50, 12.226,
197.140

 60, 12.226,
197.140

 70, 12.226,
197.140

 80, 12.226,
197.140

 90, 12.226,

197.140

■ 20, 12.226,
197.140

■ 20, 12.226,
197.140

■ 20, 13.561,
196.899

■ 20, 10.651,
197.424

■ 20, 14.642,
196.707

■ 21, 8.857, 197.755

■ 19, 15.578,
196.542

■ 21, 6.869, 198.129

■ 21, 4.714, 198.546

■ 19, 16.534,
196.376

■ 22, 2.422, 199.024

■ 22, 0.020, 210.527

■ 23, 2.469, 19.790

■ 23, 5.021, 20.336

Harmonies

Complementary

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



20, 12.226, 197.140



12, 17.706, 25.185

Rectangle

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



20, 12.226, 197.140



20, 12.226, 247.140



20, 12.226, 17.140



20, 12.226, 67.140

Sweetspot

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



20, 12.226, 197.138



28, 5.257, 198.599



19, 25.727, 139.952



13, 3.680, 198.551



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, 12.226, 197.138



26, 16.765, 196.788



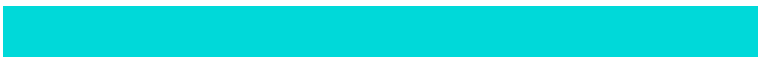
14, 12.257, 263.220



9, 1.285, 199.132



34, 23.300, 196.375



79, 44.331, 196.374

Inverse Universe

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



12, 17.706, 25.185



14, 27.071, 28.357



16, 14.443, 67.405



8, 1.340, 19.516



16, 44.929, 34.011



45, 92.498, 39.997

Previews

White Background



This preview shows how the CIELCh color 20, 12.226, 197.140 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



This preview shows how the CIELCh color 20, 12.226, 197.140 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

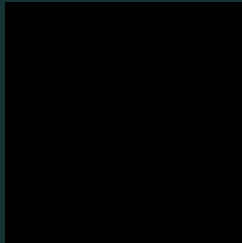
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

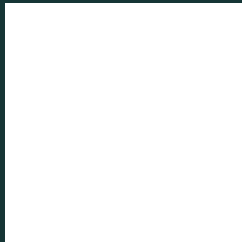
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 20, 12.226, 197.140

Background



This preview shows how black text looks on a background with the CIELCh color 20, 12.226, 197.140.



This preview shows how white text looks on a background with the CIELCh color 20, 12.226, 197.140.

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

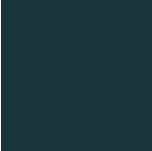
20, 12.226, 197.140

Protanopia

20, 1.447, 309.182

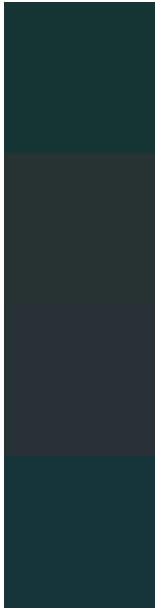
Deuteranopia

20, 5.640, 305.243



Tritanopia
20, 11.469, 211.295

Trichromacy



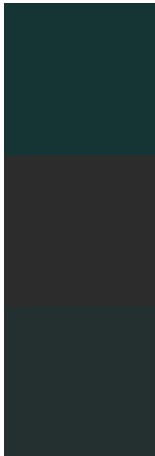
Original Color
20, 12.226, 197.140

Protanomaly
20, 4.869, 206.599

Deuteranomaly
20, 5.089, 241.147

Tritanomaly
20, 11.729, 207.460

Monochromacy



Original Color
20, 12.226, 197.140

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 4.912, 198.436

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 12.226, 197.140 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(21, 53, 53)` looks like.

```
.text, #text, p{  
    color:rgb(21, 53, 53)  
}
```

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(21, 53, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 53, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 12.226, 197.140 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(21, 53, 53) }
```

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

```
.border{ border-color:rgb(21, 53, 53) }
```

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

Here you see how a box with a 4 pixel rgb(21, 53, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 53, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 53, 53);  
box-shadow:4px 4px 4px 4px rgb(21, 53, 53)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 12.226, 197.140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 53, 53) }
```

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

```
.background{ background-color: rgb(21, 53,  
53) }
```

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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