

Converting Colors

CIELCh(20, 16.202, 201.324)

Have a look what the booklet for
CIELCh(20, 16.202, 201.324)
contains.

CIELCh(20, 16.361, 198.910)	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, 16.361, 198.910)

Conversions

Conversions Part 1

Format	Color
Hex	023738
RGB	2, 55, 56
RGB Percent	1%, 22%, 22%
CMY	0.9939, 0.7858, 0.7818
CMYK	0.97, 0.02, 0.00, 0.78
HSL	181°, 95%, 11%
HSV	181°, 97%, 22%
XYZ	2.0728, 2.9891, 4.1619
YIQ	39.2670, -31.9090, -10.9250

Conversions

Conversions Part 2

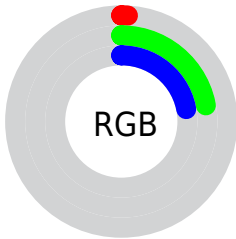
Format	Color
R_YB	2, 29, 56
Decimal	145208
CIE Lab	20.00, -15.48, -5.30
CIE LCh	20, 16.361, 198.910
Yxy	2.9891, 0.2247, 0.3241
Android (android.graphics.Color)	4278335288 (0xFF023738)
YUV	39.2670, 8.2494, -32.6832
Hunter-Lab	17.2889, -8.8544, -2.1706

Details

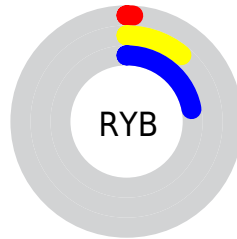
The CIELCh color **20, 16.361, 198.910** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **8, 28.444, 24.941**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **40, 16.385, 199.607**, and **1, 4.567, 283.205** is the 20% darker color. If you saturate the color by 10%, you get **20, 16.623, 198.896**, and if you desaturate by 10%, it is **20, 15.446, 198.942**.

Distribution



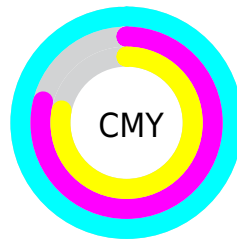
- Red (1%)
- Green (22%)
- Blue (22%)



- Red (1%)
- Yellow (11%)
- Blue (22%)



- Cyan (97%)
- Magenta (2%)
- Yellow (0%)
- Black (78%)





- Cyan (99%)
- Magenta (79%)
- Yellow (78%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 20, 16.361, 198.910 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, 16.361, 198.910 by changing the saturation by 10% instead.

 20, 16.361,
198.910


 20, 16.361,
198.910


 100, 16.361,
198.910


 10, 16.361,
198.910


 40, 16.361,
198.910

 0, 16.361, 198.910

 50, 16.361,
198.910

 60, 16.361,
198.910

 70, 16.361,
198.910

 80, 16.361,
198.910

 90, 16.361,

198.910

■ 20, 16.361,
198.910

■ 20, 16.361,
198.910

■ 20, 16.623,
198.896

■ 20, 15.446,
198.942

■ 20, 14.527,
198.963

■ 21, 13.378,
199.040

■ 21, 11.969,
199.184

■ 21, 10.314,
199.391

■ 22, 8.439, 199.655

■ 22, 6.371, 199.973

■ 22, 4.138, 200.345

■ 23, 1.771, 200.808

Harmonies

Complementary

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



20, 16.361, 198.910



8, 28.444, 24.941

Rectangle

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



20, 16.361, 198.910



20, 16.361, 248.910



20, 16.361, 18.910



20, 16.361, 68.910

Sweetspot

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



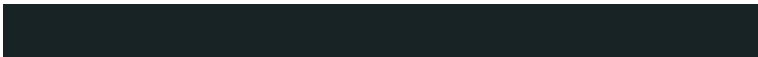
20, 16.361, 198.909



29, 8.291, 199.867



19, 38.301, 138.220



13, 5.555, 199.831



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, 16.361, 198.909



26, 19.550, 199.016



10, 21.223, 277.382



10, 1.369, 200.744



34, 23.184, 199.118



78, 43.553, 199.353

Inverse Universe

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



10, 37.858, 328.793



14, 45.562, 328.906



14, 22.729, 63.459



9, 2.504, 325.301



20, 54.049, 328.932



52, 101.623, 328.991

Previews

White Background



This preview shows how the CIELCh color 20, 16.361, 198.910 looks on a white background.

Color Contrast Check

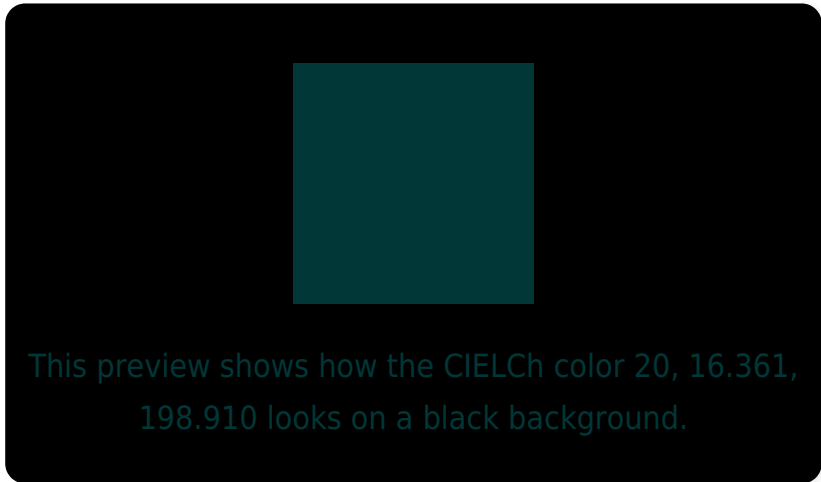
Large Text (above 18pt) WCAG AA ✓ Pass

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

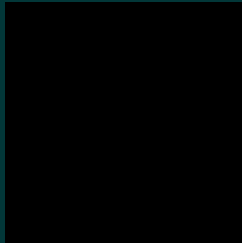
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 16.361, 198.910

Background



This preview shows how black text looks on a background with the CIELCh color 20, 16.361, 198.910.



This preview shows how white text looks on a background with the CIELCh color 20, 16.361, 198.910.

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, 16.361, 198.910

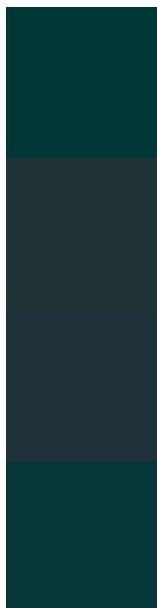
Protanopia
20, 2.039, 290.669

Deuteranopia
20, 6.201, 299.798



Tritanopia
20, 14.649, 210.515

Trichromacy



Original Color
20, 16.361, 198.910

Protanomaly
20, 7.963, 207.894

Deuteranomaly
20, 8.488, 232.806

Tritanomaly
20, 15.162, 207.259

Monochromacy



Original Color
20, 16.361, 198.910

Achromatopsia
16, 0.003, 296.813

Achromatomaly
17, 8.437, 197.668

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 16.361, 198.910 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(2, 55, 56)` looks like.

```
.text, #text, p{  
    color:rgb(2, 55, 56)  
}
```

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(2, 55, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 55, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 16.361, 198.910 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(2, 55, 56) }
```

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

```
.border{ border-color:rgb(2, 55, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 55, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 55, 56); -webkit-box-shadow:4px  
4px 4px 4px rgb(2, 55, 56); box-shadow:4px  
4px 4px 4px rgb(2, 55, 56) }
```

Background

The CSS property to change the background color of an element to CIELCh 20, 16.361, 198.910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 55, 56) }
```

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

```
.background{ background-color: rgb(2, 55,  
56) }
```

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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