

Converting Colors

CIELCh(20, 19.494, 212.764)

Have a look what the booklet for
CIELCh(20, 19.494, 212.764)
contains.

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Color

CIELCh(20, 16.277, 216.581)

Conversions

Conversions Part 1

Format	Color
Hex	00363E
RGB	0, 54, 62
RGB Percent	0%, 21%, 24%
CMY	1.0000, 0.7879, 0.7565
CMYK	1.00, 0.13, 0.00, 0.76
HSL	188°, 100%, 12%
HSV	188°, 100%, 24%
XYZ	2.1819, 2.9891, 5.0314
YIQ	38.7660, -34.7520, -8.9600

Conversions

Conversions Part 2

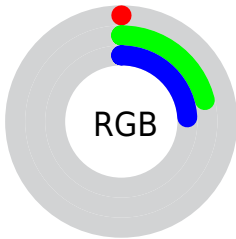
Format	Color
RYB	0, 29, 62
Decimal	13886
CIELab	20.00, -13.07, -9.70
CIELCh	20, 16.277, 216.581
Yxy	2.9891, 0.2139, 0.2930
Android (android.graphics.Color)	4278203966 (0xFF00363E)
YUV	38.7660, 11.4544, -33.9978
Hunter-Lab	17.2889, -7.7288, -5.1523

Details

The CIELCh color **20, 16.277, 216.581** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **11, 30.220, 32.999**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **40, 16.101, 215.466**, and **1, 8.892, 288.391** is the 20% darker color. If you saturate the color by 10%, you get **20, 16.111, 216.817**, and if you desaturate by 10%, it is **20, 15.300, 215.779**.

Distribution



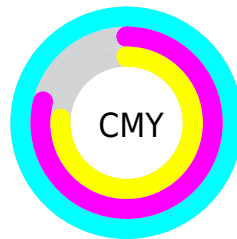
- Red (0%)
- Green (21%)
- Blue (24%)



- Red (0%)
- Yellow (11%)
- Blue (24%)



- Cyan (100%)
- Magenta (13%)
- Yellow (0%)
- Black (76%)



- Cyan (100%)
- Magenta (79%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 20, 16.277, 216.581 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, 16.277, 216.581 by changing the saturation by 10% instead.

■ 20, 16.277,
216.581

■ 20, 16.277,
216.581

■ 100, 16.277,
216.581

■ 10, 16.277,
216.581

■ 40, 16.277,
216.581

■ 0, 16.277, 216.581

■ 50, 16.277,
216.581

■ 60, 16.277,
216.581

■ 70, 16.277,
216.581

■ 80, 16.277,
216.581

■ 90, 16.277,

216.581

■ 20, 16.277,
216.581

■ 20, 16.277,
216.581

■ 20, 16.111,
216.817

■ 20, 15.300,
215.779

■ 21, 14.511,
214.608

■ 21, 13.501,
213.622

■ 22, 12.214,
212.871

■ 23, 10.668,
212.322

■ 23, 8.887, 211.943

■ 24, 6.899, 211.708

■ 25, 4.736, 211.597

■ 25, 2.427, 211.612

Harmonies

Complementary

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



20, 16.277, 216.581



11, 30.220, 32.999

Rectangle

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



20, 16.277, 216.581



20, 16.277, 266.581



20, 16.277, 36.581



20, 16.277, 86.581

Sweetspot

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



20, 16.111, 216.817



32, 8.625, 211.733



22, 40.459, 139.221



15, 5.756, 211.762



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



20, 16.111, 216.817



27, 19.279, 217.894



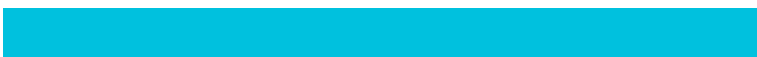
9, 28.525, 287.855



11, 1.336, 211.633



32, 21.282, 218.390



72, 39.465, 220.422

Inverse Universe

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



11, 38.522, 333.306



17, 46.053, 333.571



18, 26.774, 73.509



10, 2.503, 328.553



20, 50.808, 333.694



51, 93.944, 334.198

Previews

White Background



This preview shows how the CIELCh color 20, 16.277, 216.581 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, 16.277, 216.581 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

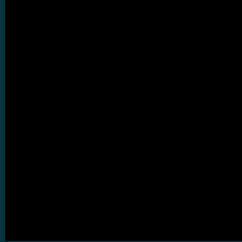
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

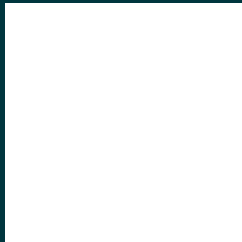
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 20, 16.277, 216.581

Background



This preview shows how black text looks on a background with the CIELCh color 20, 16.277, 216.581.



This preview shows how white text looks on a background with the CIELCh color 20, 16.277, 216.581.

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, 16.093, 216.883

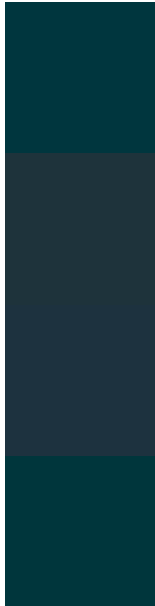
Protanopia
20, 6.152, 283.509

Deuteranopia
20, 10.215, 287.902



Tritanopia
20, 16.096, 209.042

Trichromacy



Original Color
20, 16.093, 216.883

Protanomaly
20, 9.614, 232.975

Deuteranomaly
20, 11.514, 249.331

Tritanomaly
20, 16.065, 211.653

Monochromacy



Original Color
20, 16.093, 216.883

Achromatopsia
16, 0.003, 296.813

Achromatomaly
17, 8.051, 213.068

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 16.277, 216.581 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(0, 54, 62)` looks like.

```
.text, #text, p{  
    color:rgb(0, 54, 62)  
}
```

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(0, 54, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 54, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 16.277, 216.581 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(0, 54, 62) }
```

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

```
.border{ border-color:rgb(0, 54, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 54, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 54, 62); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 54, 62); box-shadow:4px  
4px 4px 4px rgb(0, 54, 62) }
```

Background

The CSS property to change the background color of an element to CIELCh 20, 16.277, 216.581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 54, 62) }
```

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

```
.background{ background-color: rgb(0, 54,  
62) }
```

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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