

Converting Colors

CIELCh(18, 32.306, 210.276)

Have a look what the booklet for
CIELCh(18, 32.306, 210.276)
contains.

CIELCh(20, 16.680, 229.580)	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, 16.680, 229.580)

Conversions

Conversions Part 1

Format	Color
Hex	003643
RGB	0, 54, 67
RGB Percent	0%, 21%, 26%
CMY	1.0000, 0.7901, 0.7392
CMYK	1.00, 0.20, 0.00, 0.74
HSL	192°, 100%, 13%
HSV	192°, 100%, 26%
XYZ	2.2874, 2.9891, 5.6887
YIQ	39.3360, -36.3570, -7.4050

Conversions

Conversions Part 2

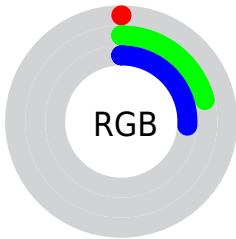
Format	Color
RYB	0, 30, 67
Decimal	13891
CIELab	20.00, -10.82, -12.70
CIELCh	20, 16.680, 229.580
Yxy	2.9891, 0.2086, 0.2726
Android (android.graphics.Color)	4278203971 (0xFF003643)
YUV	39.3360, 13.6384, -34.4977
Hunter-Lab	17.2889, -6.6390, -7.4064

Details

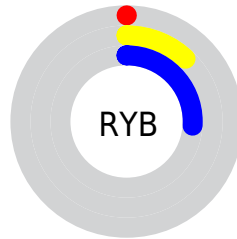
The CIELCh color **20, 16.680, 229.580** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **12, 31.387, 37.529**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **40, 16.744, 228.788**, and **1, 11.725, 286.110** is the 20% darker color. If you saturate the color by 10%, you get **20, 16.600, 229.765**, and if you desaturate by 10%, it is **21, 15.728, 227.863**.

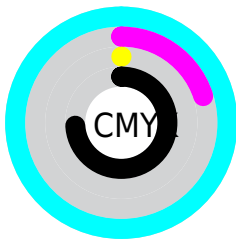
Distribution



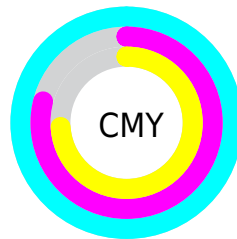
- Red (0%)
- Green (21%)
- Blue (26%)



- Red (0%)
- Yellow (12%)
- Blue (26%)



- Cyan (100%)
- Magenta (20%)
- Yellow (0%)
- Black (74%)



- Cyan (100%)
- Magenta (79%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 20, 16.680, 229.580 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, 16.680, 229.580 by changing the saturation by 10% instead.

■ 20, 16.680,
229.580

■ 20, 16.680,
229.580

■ 100, 16.680,
229.580

■ 10, 16.680,
229.580

■ 40, 16.680,
229.580

■ 0, 16.680, 229.580

■ 50, 16.680,
229.580

■ 60, 16.680,
229.580

■ 70, 16.680,
229.580

■ 80, 16.680,
229.580

■ 90, 16.680,

229.580

■ 20, 16.680,
229.580

■ 20, 16.680,
229.580

■ 20, 16.600,
229.765

■ 21, 15.728,
227.863

■ 21, 14.877,
225.770

■ 22, 13.799,
224.000

■ 23, 12.455,
222.591

■ 24, 10.858,
221.488

■ 24, 9.032, 220.640

■ 25, 7.004, 220.003

■ 26, 4.803, 219.543

■ 27, 2.460, 219.253

Harmonies

Complementary

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



20, 16.680, 229.580



12, 31.387, 37.529

Rectangle

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



20, 16.680, 229.580



20, 16.680, 279.580



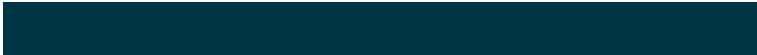
20, 16.680, 49.580



20, 16.680, 99.580

Sweetspot

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



20, 16.600, 229.765



33, 8.697, 220.073



24, 41.112, 140.395



15, 5.809, 220.170



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



20, 16.600, 229.765



27, 19.882, 231.370



8, 33.722, 292.913



12, 1.369, 219.230



30, 21.492, 231.959



68, 39.847, 235.065

Inverse Universe

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



12, 38.463, 336.584



18, 45.749, 337.010



20, 29.533, 79.829



12, 2.558, 330.789



20, 49.319, 337.168



51, 90.003, 338.017

Previews

White Background



This preview shows how the CIELCh color 20, 16.680, 229.580 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, 16.680, 229.580 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

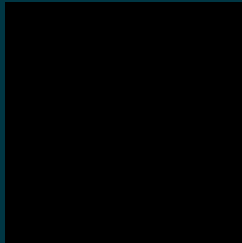
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

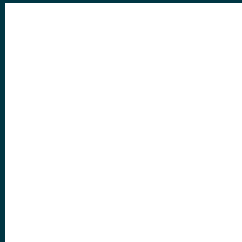
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 20, 16.680, 229.580

Background



This preview shows how black text looks on a background with the CIELCh color 20, 16.680, 229.580.



This preview shows how white text looks on a background with the CIELCh color 20, 16.680, 229.580.

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, 16.680, 229.580

Protanopia

20, 10.247, 285.631

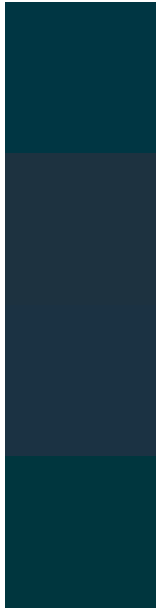
Deuteranopia

20, 13.673, 285.096



Tritanopia
20, 16.096, 209.042

Trichromacy



Original Color
20, 16.680, 229.580

Protanomaly
20, 11.974, 251.939

Deuteranomaly
20, 13.768, 256.586

Tritanomaly
20, 16.093, 216.883

Monochromacy



Original Color
20, 16.680, 229.580

Achromatopsia
16, 0.003, 296.813

Achromatomaly
17, 8.322, 222.971

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 16.680, 229.580 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, 67)` looks like.

```
.text, #text, p{  
    color:rgb(0, 54, 67)  
}
```

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, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 54, 67) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 16.680, 229.580 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, 67) }
```

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

```
.border{ border-color:rgb(0, 54, 67) }
```

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, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 54, 67); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 54, 67); box-shadow:4px  
4px 4px 4px rgb(0, 54, 67) }
```

Background

The CSS property to change the background color of an element to CIELCh 20, 16.680, 229.580 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, 67) }
```

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

```
.background{ background-color: rgb(0, 54,  
67) }
```

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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