

Converting Colors

CIELCh(20, 16.579, 227.379)

Have a look what the booklet for
CIELCh(20, 16.579, 227.379)
contains.

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Color

CIELCh(20, 16.505, 227.118)

Conversions

Conversions Part 1

Format	Color
Hex	003642
RGB	0, 54, 66
RGB Percent	0%, 21%, 26%
CMY	1.0000, 0.7897, 0.7427
CMYK	1.00, 0.18, 0.00, 0.74
HSL	191°, 100%, 13%
HSV	191°, 100%, 26%
XYZ	2.2677, 2.9891, 5.5518
YIQ	39.2220, -36.0360, -7.7160

Conversions

Conversions Part 2

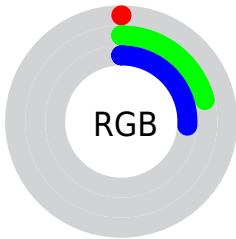
Format	Color
RYB	0, 30, 66
Decimal	13890
CIELab	20.00, -11.23, -12.09
CIELCh	20, 16.505, 227.118
Yxy	2.9891, 0.2098, 0.2765
Android (android.graphics.Color)	4278203970 (0xFF003642)
YUV	39.2220, 13.2016, -34.3977
Hunter-Lab	17.2889, -6.8428, -6.9370

Details

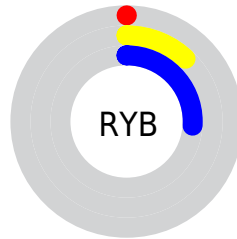
The CIELCh color **20, 16.505, 227.118** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **12, 31.140, 36.653**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **40, 16.541, 226.725**, and **1, 11.336, 287.374** is the 20% darker color. If you saturate the color by 10%, you get **20, 16.441, 227.255**, and if you desaturate by 10%, it is **21, 15.591, 225.519**.

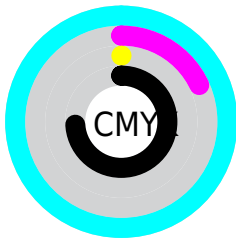
Distribution



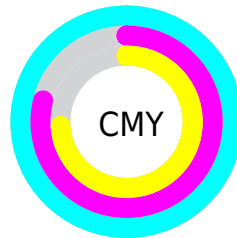
- Red (0%)
- Green (21%)
- Blue (26%)



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



- Cyan (100%)
- Magenta (18%)
- Yellow (0%)
- Black (74%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 20, 16.505, 227.118 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, 16.505, 227.118 by changing the saturation by 10% instead.

 20, 16.505,
227.118


 20, 16.505,
227.118


 100, 16.505,
227.118


 10, 16.505,
227.118


 40, 16.505,
227.118


 0, 16.505, 227.118

 50, 16.505,
227.118

 60, 16.505,
227.118

 70, 16.505,
227.118

 80, 16.505,
227.118

 90, 16.505,

227.118

■ 20, 16.505,
227.118

■ 20, 16.505,
227.118

■ 20, 16.441,
227.255

■ 21, 15.591,
225.519

■ 21, 14.762,
223.602

■ 22, 13.705,
221.982

■ 23, 12.379,
220.700

■ 23, 10.798,
219.704

■ 24, 8.986, 218.947

■ 25, 6.971, 218.388

■ 26, 4.782, 217.996

■ 27, 2.450, 217.766

Harmonies

Complementary

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



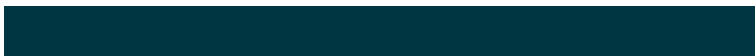
20, 16.505, 227.118



12, 31.140, 36.653

Rectangle

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



20, 16.505, 227.118



20, 16.505, 277.118



20, 16.505, 47.118



20, 16.505, 97.118

Sweetspot

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



20, 16.441, 227.255



32, 8.541, 218.446



23, 41.090, 140.037



15, 5.845, 218.538



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, 16.441, 227.255



26, 19.441, 228.680



9, 32.467, 291.772



12, 1.379, 217.751



31, 21.443, 229.385



69, 39.657, 232.293

Inverse Universe

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



12, 38.457, 335.928



17, 45.240, 336.299



20, 28.916, 78.302



12, 2.581, 330.354



20, 49.760, 336.484



51, 90.861, 337.258

Previews

White Background



This preview shows how the CIE LCh color 20, 16.505, 227.118 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 CIE LCh color 20, 16.505, 227.118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

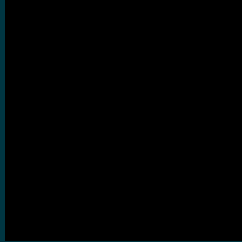
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 16.505, 227.118

Background



This preview shows how black text looks on a background with the CIELCh color 20, 16.505, 227.118.



This preview shows how white text looks on a background with the CIELCh color 20, 16.505, 227.118.

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, 16.505, 227.118

Protanopia

20, 9.541, 287.381

Deuteranopia

20, 12.965, 286.135



Tritanopia
20, 16.096, 209.042

Trichromacy



Original Color
20, 16.505, 227.118

Protanomaly
20, 11.514, 249.331

Deuteranomaly
20, 13.113, 255.498

Tritanomaly
20, 16.064, 214.270

Monochromacy



Original Color
20, 16.505, 227.118

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, 16.505, 227.118 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, 66)` looks like.

```
.text, #text, p{  
    color:rgb(0, 54, 66)  
}
```

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, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 54, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 16.505, 227.118 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, 66) }
```

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

```
.border{ border-color:rgb(0, 54, 66) }
```

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, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 54, 66); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 54, 66); box-shadow:4px  
4px 4px 4px rgb(0, 54, 66) }
```

Background

The CSS property to change the background color of an element to CIELCh 20, 16.505, 227.118 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, 66) }
```

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

```
.background{ background-color: rgb(0, 54,  
66) }
```

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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