

Converting Colors

CIELCh(20, 16.145, 244.809)

Have a look what the booklet for
CIELCh(20, 16.145, 244.809)
contains.

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Color

CIELCh(20, 16.102, 244.395)

Conversions

Conversions Part 1

Format	Color
Hex	0C3445
RGB	12, 52, 69
RGB Percent	5%, 20%, 27%
CMY	0.9516, 0.7952, 0.7285
CMYK	0.82, 0.25, 0.00, 0.73
HSL	198°, 70%, 16%
HSV	198°, 82%, 27%
XYZ	2.4757, 2.9891, 6.1148
YIQ	41.9780, -29.2970, -3.1930

Conversions

Conversions Part 2

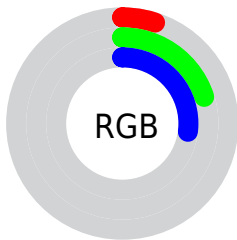
Format	Color
R_{YB}	12, 36, 69
Decimal	799813
CIE Lab	20.00, -6.96, -14.52
CIE LCh	20, 16.102, 244.395
Yxy	2.9891, 0.2138, 0.2581
Android (android.graphics.Color)	4278989893 (0xFF0C3445)
YUV	41.9780, 13.3218, -26.2907
Hunter-Lab	17.2889, -4.6953, -8.8676

Details

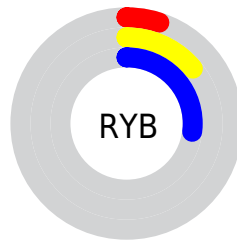
The CIELCh color **20, 16.102, 244.395** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **16, 26.360, 47.662**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **40, 16.048, 245.074**, and **1, 13.319, 288.988** is the 20% darker color. If you saturate the color by 10%, you get **19, 17.296, 247.598**, and if you desaturate by 10%, it is **21, 14.781, 241.494**.

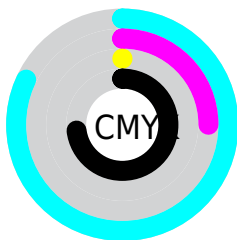
Distribution



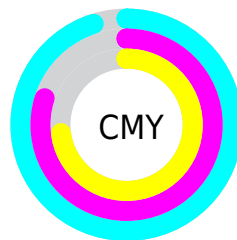
- Red (5%)
- Green (20%)
- Blue (27%)



- Red (5%)
- Yellow (14%)
- Blue (27%)



- Cyan (82%)
- Magenta (25%)
- Yellow (0%)
- Black (73%)





- Cyan (95%)
- Magenta (80%)
- Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 20, 16.102, 244.395 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, 16.102, 244.395 by changing the saturation by 10% instead.

 20, 16.102,
244.395


 20, 16.102,
244.395


 100, 16.102,
244.395


 10, 16.102,
244.395


 40, 16.102,
244.395


 0, 16.102, 244.395

 50, 16.102,
244.395

 60, 16.102,
244.395

 70, 16.102,
244.395

 80, 16.102,
244.395

 90, 16.102,

244.395

■ 20, 16.102,
244.395

■ 20, 16.102,
244.395

■ 19, 17.296,
247.598

■ 21, 14.781,
241.494

■ 18, 18.282,
249.808

■ 22, 13.261,
239.085

■ 23, 11.541,
237.107

■ 24, 9.633, 235.497

■ 25, 7.557, 234.194

■ 27, 5.335, 233.147

■ 28, 2.991, 232.326

■ 29, 0.547, 231.991

■ 30, 1.976, 50.879

Harmonies

Complementary

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



20, 16.102, 244.395



16, 26.360, 47.662

Rectangle

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



20, 16.102, 244.395



20, 16.102, 294.395



20, 16.102, 64.395



20, 16.102, 114.395

Sweetspot

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



20, 16.102, 244.395



34, 7.359, 233.517



25, 34.271, 145.467



16, 5.044, 233.688



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



20, 16.102, 244.395



25, 21.887, 251.558



11, 32.448, 294.154



13, 1.413, 232.096



27, 23.886, 252.662



62, 45.048, 256.660

Inverse Universe

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



14, 32.931, 340.614



18, 43.331, 343.166



24, 28.273, 90.335



13, 2.532, 334.722



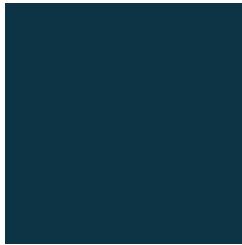
21, 46.821, 343.570



50, 84.369, 345.101

Previews

White Background



This preview shows how the CIELCh color 20, 16.102, 244.395 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, 16.102, 244.395 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

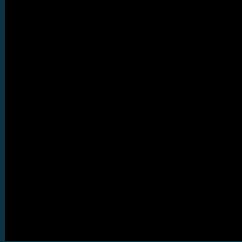
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

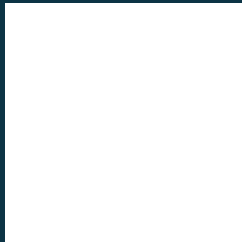
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 20, 16.102, 244.395

Background



This preview shows how black text looks on a background with the CIELCh color 20, 16.102, 244.395.



This preview shows how white text looks on a background with the CIELCh color 20, 16.102, 244.395.

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, 16.102, 244.395

Protanopia

20, 12.342, 283.751

Deuteranopia

20, 15.149, 282.135



Tritanopia
20, 16.157, 206.447

Trichromacy



Original Color
20, 16.102, 244.395

Protanomaly
20, 13.025, 262.218

Deuteranomaly
20, 14.967, 265.133

Tritanomaly
20, 15.376, 220.862

Monochromacy



Original Color
20, 16.102, 244.395

Achromatopsia
17, 0.003, 296.813

Achromatomaly
18, 7.329, 233.087

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 16.102, 244.395 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(12, 52, 69)` looks like.

```
.text, #text, p{  
    color:rgb(12, 52, 69)  
}
```

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(12, 52, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 52, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 16.102, 244.395 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(12, 52, 69) }
```

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

```
.border{ border-color:rgb(12, 52, 69) }
```

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

Here you see how a box with a 4 pixel rgb(12, 52, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 52, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 52, 69);  
box-shadow:4px 4px 4px 4px rgb(12, 52, 69)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 16.102, 244.395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 52, 69) }
```

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

```
.background{ background-color: rgb(12, 52,  
69) }
```

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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