

Converting Colors

CIELCh(22, 16.356, 224.926)

Have a look what the booklet for
CIELCh(22, 16.356, 224.926)
contains.

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Color

CIELCh(22, 16.284, 224.479)

Conversions

Conversions Part 1

Format	Color
Hex	063A45
RGB	6, 58, 69
RGB Percent	2%, 23%, 27%
CMY	0.9754, 0.7719, 0.7287
CMYK	0.91, 0.16, 0.00, 0.73
HSL	190°, 83%, 15%
HSV	190°, 91%, 27%
XYZ	2.6795, 3.5154, 6.1958
YIQ	43.7060, -34.5230, -7.6030

Conversions

Conversions Part 2

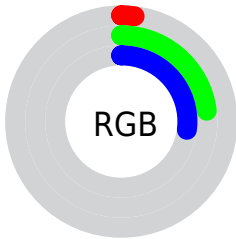
Format	Color
R_{YB}	6, 34, 69
Decimal	408133
CIE _{Lab}	22.00, -11.62, -11.41
CIE _{LCh}	22, 16.284, 224.479
Yxy	3.5154, 0.2162, 0.2837
Android (android.graphics.Color)	4278598213 (0xFF063A45)
YUV	43.7060, 12.4699, -33.0682
Hunter-Lab	18.7494, -7.3020, -6.4680

Details

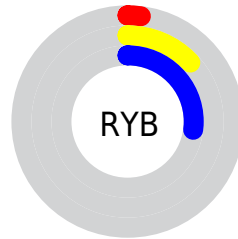
The CIELCh color **22, 16.284, 224.479** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **14, 30.538, 37.460**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **42, 16.123, 224.885**, and **4, 8.781, 263.056** is the 20% darker color. If you saturate the color by 10%, you get **21, 17.032, 226.058**, and if you desaturate by 10%, it is **23, 15.475, 222.577**.

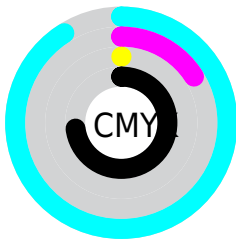
Distribution



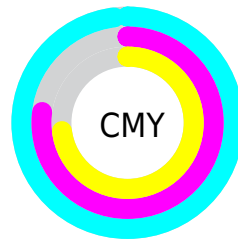
- Red (2%)
- Green (23%)
- Blue (27%)



- Red (2%)
- Yellow (13%)
- Blue (27%)



- Cyan (91%)
- Magenta (16%)
- Yellow (0%)
- Black (73%)





- Cyan (98%)
- Magenta (77%)
- Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 22, 16.284, 224.479 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 22, 16.284, 224.479 by changing the saturation by 10% instead.

 22, 16.284,
224.479


 22, 16.284,
224.479

 100, 16.284,
224.479


 12, 16.284,
224.479


 42, 16.284,
224.479


 2, 16.284, 224.479

 52, 16.284,
224.479

 0, 16.284, 224.479

 62, 16.284,
224.479

 72, 16.284,
224.479

 82, 16.284,
224.479

 92, 16.284,

224.479

■ 22, 16.284,
224.479

■ 22, 16.284,
224.479

■ 21, 17.032,
226.058

■ 23, 15.475,
222.577

■ 23, 14.426,
220.972

■ 24, 13.086,
219.705

■ 25, 11.472,
218.727

■ 26, 9.606, 217.988

■ 26, 7.519, 217.448

■ 27, 5.243, 217.076

■ 28, 2.810, 216.860

■ 29, 0.250, 217.647

Harmonies

Complementary

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



22, 16.284, 224.479



14, 30.538, 37.460

Rectangle

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



22, 16.284, 224.479



22, 16.284, 274.479



22, 16.284, 44.479



22, 16.284, 94.479

Sweetspot

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



22, 16.284, 224.478



35, 8.179, 217.324



25, 40.063, 140.663



17, 5.534, 217.383



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



22, 16.284, 224.478



28, 20.241, 227.398



11, 30.539, 289.871



13, 1.476, 216.840



32, 21.826, 227.898



70, 39.920, 230.587

Inverse Universe

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



14, 37.742, 335.069



18, 47.322, 335.966



22, 28.464, 79.563



13, 2.766, 330.097



21, 50.936, 336.095



52, 92.177, 336.801

Previews

White Background



This preview shows how the CIE LCh color 22, 16.284, 224.479 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 22, 16.284, 224.479 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

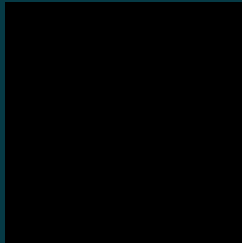
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

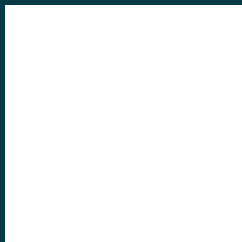
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 22, 16.284, 224.479

Background



This preview shows how black text looks on a background with the CIELCh color 22, 16.284, 224.479.



This preview shows how white text looks on a background with the CIELCh color 22, 16.284, 224.479.

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

22, 16.284, 224.479

Protanopia

22, 8.758, 286.645

Deuteranopia

22, 12.811, 285.889



Tritanopia
22, 17.054, 208.152

Trichromacy



Original Color
22, 16.284, 224.479

Protanomaly
22, 11.265, 250.032

Deuteranomaly
22, 12.884, 255.977

Tritanomaly
22, 16.716, 213.340

Monochromacy



Original Color
22, 16.284, 224.479

Achromatopsia
18, 0.003, 296.813

Achromatomaly
19, 8.138, 217.876

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 16.284, 224.479 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(6, 58, 69)` looks like.

```
.text, #text, p{  
    color:rgb(6, 58, 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(6, 58, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 58, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 16.284, 224.479 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(6, 58, 69) }
```

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

```
.border{ border-color:rgb(6, 58, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 58, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 58, 69); -webkit-box-shadow:4px  
4px 4px 4px rgb(6, 58, 69); box-shadow:4px  
4px 4px 4px rgb(6, 58, 69) }
```

Background

The CSS property to change the background color of an element to CIELCh 22, 16.284, 224.479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 58, 69) }
```

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

```
.background{ background-color: rgb(6, 58,  
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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