

Converting Colors

CIELCh(22, 18.535, 281.744)

Have a look what the booklet for
CIELCh(22, 18.535, 281.744)
contains.

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Color

CIELCh(22, 18.379, 281.824)

Conversions

Conversions Part 1

Format	Color
Hex	29344F
RGB	41, 52, 79
RGB Percent	16%, 20%, 31%
CMY	0.8384, 0.7953, 0.6894
CMYK	0.48, 0.34, 0.00, 0.69
HSL	223°, 32%, 24%
HSV	223°, 48%, 31%
XYZ	3.5771, 3.5154, 7.9255
YIQ	51.7890, -15.2230, 6.0650

Conversions

Conversions Part 2

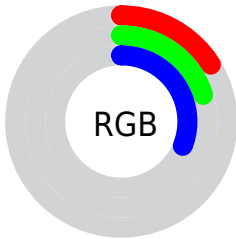
Format	Color
RYB	41, 50, 79
Decimal	2700367
CIELab	22.00, 3.77, -17.99
CIElCh	22, 18.379, 281.824
Yxy	3.5154, 0.2382, 0.2341
Android (android.graphics.Color)	4280890447 (0xFF29344F)
YUV	51.7890, 13.4150, -9.4620
Hunter-Lab	18.7494, 1.2436, -11.9377

Details

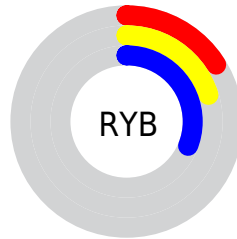
The CIELCh color **22, 18.379, 281.824** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **29, 18.057, 88.934**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **42, 18.376, 281.635**, and **2, 18.455, 286.686** is the 20% darker color. If you saturate the color by 10%, you get **20, 22.456, 284.061**, and if you desaturate by 10%, it is **24, 14.398, 279.869**.

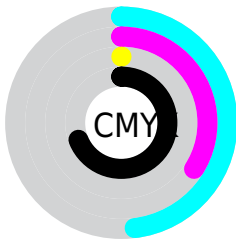
Distribution



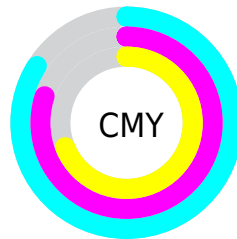
- Red (16%)
- Green (20%)
- Blue (31%)



- Red (16%)
- Yellow (20%)
- Blue (31%)



- Cyan (48%)
- Magenta (34%)
- Yellow (0%)
- Black (69%)



- Cyan (84%)
- Magenta (80%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 22, 18.379, 281.824 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, 18.379, 281.824 by changing the saturation by 10% instead.

■ 22, 18.379,
281.824

■ 22, 18.379,
281.824

■ 100, 18.379,
281.824

■ 12, 18.379,
281.824

■ 42, 18.379,
281.824

■ 2, 18.379, 281.824

■ 52, 18.379,
281.824

■ 0, 18.379, 281.824

■ 62, 18.379,
281.824

■ 72, 18.379,
281.824

■ 82, 18.379,
281.824

■ 92, 18.379,

281.824

■ 22, 18.379,
281.824

■ 22, 18.379,
281.824

■ 20, 22.456,
284.061

■ 24, 14.398,
279.869

■ 17, 26.642,
286.591

■ 27, 10.503,
278.171

■ 15, 30.944,
289.395

■ 29, 6.687, 276.700

■ 32, 2.943, 275.437

■ 13, 35.352,
292.411

■ 34, 0.730, 94.132

■ 11, 39.854,
295.143

■ 37, 4.336, 93.275

■ 10, 40.770,
295.627

■ 39, 7.874, 92.423

■ 41, 11.348, 91.664

■ 44, 14.757, 90.986

Harmonies

Complementary

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



22, 18.379, 281.824



29, 18.057, 88.934

Rectangle

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



22, 18.379, 281.824



22, 18.379, 331.824



22, 18.379, 101.824



22, 18.379, 151.824

Sweetspot

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



22, 18.378, 281.824



39, 6.396, 276.235



31, 16.913, 171.403



18, 4.365, 276.392



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



22, 18.378, 281.824



26, 27.754, 284.552



19, 26.176, 301.958



15, 2.113, 275.527



15, 51.406, 297.022



38, 98.812, 299.362

Inverse Universe

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



22, 19.216, 2.206



26, 28.625, 4.449



32, 23.578, 115.055



15, 2.173, 357.389



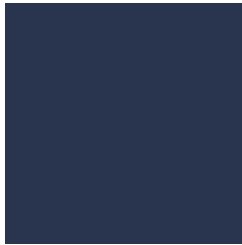
20, 45.013, 18.758



49, 82.528, 23.000

Previews

White Background



This preview shows how the CIE LCh color 22, 18.379, 281.824 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, 18.379, 281.824 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

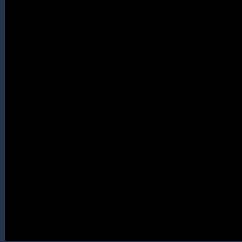
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 22, 18.379, 281.824

Background



This preview shows how black text looks on a background with the CIELCh color 22, 18.379, 281.824.



This preview shows how white text looks on a background with the CIELCh color 22, 18.379, 281.824.

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

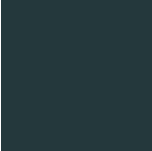
22, 18.379, 281.824

Protanopia

22, 18.274, 283.881

Deuteranopia

22, 18.437, 280.827



Tritanopia
22, 8.430, 216.785

Trichromacy



Original Color
22, 18.379, 281.824

Protanomaly
22, 18.324, 282.842

Deuteranomaly
22, 18.437, 280.827

Tritanomaly
22, 10.170, 251.466

Monochromacy



Original Color
22, 18.379, 281.824

Achromatopsia
22, 0.004, 296.813

Achromatomaly
22, 6.897, 277.463

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 18.379, 281.824 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(41, 52, 79)` looks like.

```
.text, #text, p{  
    color:rgb(41, 52, 79)  
}
```

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(41, 52, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 52, 79) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 18.379, 281.824 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(41, 52, 79) }
```

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

```
.border{ border-color:rgb(41, 52, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 52, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 52, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 52, 79);  
box-shadow:4px 4px 4px 4px rgb(41, 52, 79)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 22, 18.379, 281.824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 52, 79) }
```

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

```
.background{ background-color: rgb(41, 52,  
79) }
```

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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