

Converting Colors

CIELCh(17, 22.457, 282.547)

Have a look what the booklet for
CIELCh(17, 22.457, 282.547)
contains.

CIELCh(17, 22.523, 282.744)	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(17, 22.523, 282.744)

Conversions

Conversions Part 1

Format	Color
Hex	192949
RGB	25, 41, 73
RGB Percent	10%, 16%, 29%
CMY	0.9006, 0.8381, 0.7125
CMYK	0.65, 0.44, 0.00, 0.71
HSL	220°, 49%, 19%
HSV	220°, 65%, 29%
XYZ	2.4257, 2.3023, 6.6760
YIQ	39.8640, -19.8080, 6.5600

Conversions

Conversions Part 2

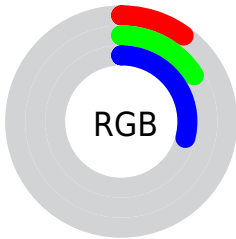
Format	Color
R_{YB}	25, 37, 73
Decimal	1648969
CIE Lab	17.00, 4.97, -21.97
CIE LCh	17, 22.523, 282.744
Yxy	2.3023, 0.2127, 0.2019
Android (android.graphics.Color)	4279839049 (0xFF192949)
YUV	39.8640, 16.3360, -13.0357
Hunter-Lab	15.1734, 1.9825, -15.4651

Details

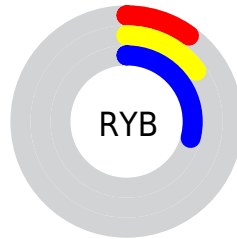
The CIELCh color **17, 22.523, 282.744** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **25, 22.450, 83.334**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 22.519, 282.295**, and **1, 15.334, 288.358** is the 20% darker color. If you saturate the color by 10%, you get **15, 26.215, 285.528**, and if you desaturate by 10%, it is **19, 18.915, 280.261**.

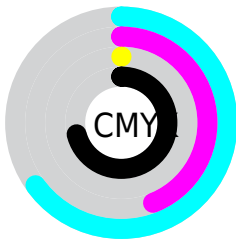
Distribution



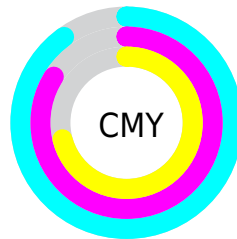
- Red (10%)
- Green (16%)
- Blue (29%)



- Red (10%)
- Yellow (15%)
- Blue (29%)



- Cyan (65%)
- Magenta (44%)
- Yellow (0%)
- Black (71%)



- Cyan (90%)
- Magenta (84%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 22.523, 282.744 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 17, 22.523, 282.744 by changing the saturation by 10% instead.

■ 17, 22.523,
282.744

■ 17, 22.523,
282.744

■ 100, 22.523,
282.744

■ 7, 22.523, 282.744

■ 37, 22.523,
282.744

■ 0, 22.523, 282.744

■ 47, 22.523,
282.744

■ 57, 22.523,
282.744

■ 67, 22.523,
282.744

■ 77, 22.523,
282.744


■ 87, 22.523,


282.744


 97, 22.523,
282.744


 17, 22.523,
282.744


 17, 22.523,
282.744


 15, 26.215,
285.528


 19, 18.915,
280.261

 13, 30.002,
288.574

 21, 15.379,
278.078

 11, 33.901,
291.483

 23, 11.905,
276.175

 10, 35.725,
292.628

 26, 8.484, 274.523

 28, 5.113, 273.093

 30, 1.789, 271.883

■ 32, 1.486, 90.643

■ 34, 4.714, 89.735

■ 37, 7.894, 88.896

Harmonies

Complementary

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



17, 22.523, 282.744



25, 22.450, 83.334

Rectangle

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



17, 22.523, 282.744



17, 22.523, 332.744



17, 22.523, 102.744



17, 22.523, 152.744

Sweetspot

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



17, 22.523, 282.745



35, 8.196, 273.826



28, 21.273, 166.994



16, 5.644, 274.033



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



17, 22.523, 282.745



19, 34.065, 287.482



13, 34.252, 303.007



13, 1.798, 272.231



15, 46.130, 294.392



39, 90.971, 297.143

Inverse Universe

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



17, 24.657, 2.207



20, 35.319, 6.479



29, 29.225, 112.704



13, 1.981, 354.400



19, 42.797, 14.526



48, 79.455, 18.965

Previews

White Background



This preview shows how the CIE LCh color 17, 22.523, 282.744 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 17, 22.523, 282.744 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

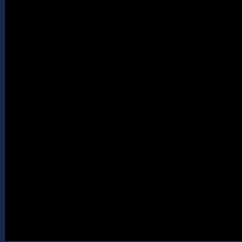
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 22.523, 282.744

Background



This preview shows how black text looks on a background with the CIELCh color 17, 22.523, 282.744.



This preview shows how white text looks on a background with the CIELCh color 17, 22.523, 282.744.

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

17, 22.523, 282.744

Protanopia

17, 22.392, 284.779

Deuteranopia

17, 21.658, 274.780



Tritanopia
17, 12.432, 210.174

Trichromacy



Original Color
17, 22.523, 282.744

Protanomaly
17, 22.434, 284.081

Deuteranomaly
17, 22.115, 278.116

Tritanomaly
17, 13.197, 246.381

Monochromacy



Original Color
17, 22.523, 282.744

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 8.599, 278.194

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 22.523, 282.744 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(25, 41, 73)` looks like.

```
.text, #text, p{  
    color:rgb(25, 41, 73)  
}
```

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(25, 41, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 41, 73) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 22.523, 282.744 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(25, 41, 73) }
```

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

```
.border{ border-color:rgb(25, 41, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 41, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 41, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 41, 73);  
box-shadow:4px 4px 4px 4px rgb(25, 41, 73)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 22.523, 282.744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 41, 73) }
```

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

```
.background{ background-color: rgb(25, 41,  
73) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor