

Converting Colors

CIELCh(25, 33.176, 225.888)

Have a look what the booklet for
CIELCh(25, 33.176, 225.888)
contains.

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Color

CIELCh(27, 22.133, 245.563)

Conversions

Conversions Part 1

Format	Color
Hex	00455E
RGB	0, 69, 94
RGB Percent	0%, 27%, 37%
CMY	1.0000, 0.7283, 0.6305
CMYK	1.00, 0.26, 0.00, 0.63
HSL	196°, 100%, 18%
HSV	196°, 100%, 37%
XYZ	4.1587, 5.0937, 11.4089
YIQ	51.2190, -49.1490, -6.8530

Conversions

Conversions Part 2

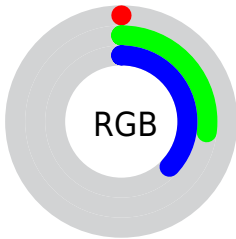
Format	Color
RYB	0, 40, 94
Decimal	17758
CIELab	27.00, -9.16, -20.15
CIELCh	27, 22.133, 245.563
Yxy	5.0937, 0.2013, 0.2465
Android (android.graphics.Color)	4278207838 (0xFF00455E)
YUV	51.2190, 21.0910, -44.9191
Hunter-Lab	22.5692, -6.6045, -14.1730

Details

The CIELCh color **27, 22.133, 245.563** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **20, 42.952, 45.024**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 22.264, 246.889**, and **9, 17.560, 269.728** is the 20% darker color. If you saturate the color by 10%, you get **27, 22.040, 245.839**, and if you desaturate by 10%, it is **28, 20.866, 242.393**.

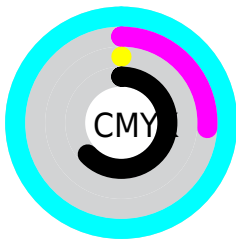
Distribution



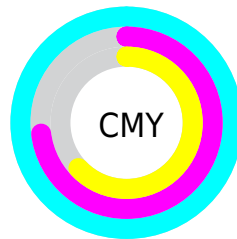
- Red (0%)
- Green (27%)
- Blue (37%)



- Red (0%)
- Yellow (16%)
- Blue (37%)



- Cyan (100%)
- Magenta (26%)
- Yellow (0%)
- Black (63%)




- Cyan (100%)
- Magenta (73%)
- Yellow (63%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 27, 22.133, 245.563 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 27, 22.133, 245.563 by changing the saturation by 10% instead.

 27, 22.133,
245.563

 27, 22.133,
245.563

 100, 22.133,
245.563


 17, 22.133,
245.563

 47, 22.133,
245.563


 7, 22.133, 245.563

 57, 22.133,
245.563

 0, 22.133, 245.563

 67, 22.133,
245.563

 77, 22.133,
245.563

 87, 22.133,
245.563

 97, 22.133,

245.563

■ 27, 22.133,
245.563

■ 27, 22.133,
245.563

■ 27, 22.040,
245.839

■ 28, 20.866,
242.393

■ 29, 19.642,
238.995

■ 30, 18.131,
236.179

■ 31, 16.311,
233.887

■ 33, 14.186,
232.045

■ 34, 11.778,
230.582

■ 35, 9.119, 229.429

■ 37, 6.246, 228.533

■ 38, 3.196, 227.868

Harmonies

Complementary

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



27, 22.133, 245.563



20, 42.952, 45.024

Rectangle

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



27, 22.133, 245.563



27, 22.133, 295.563



27, 22.133, 65.563



27, 22.133, 115.563

Sweetspot

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



27, 22.040, 245.839



46, 11.278, 229.524



34, 51.283, 141.073



22, 7.560, 229.817



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



27, 22.040, 245.839



35, 26.748, 247.413



12, 49.871, 298.472



18, 1.756, 227.807



32, 24.642, 246.791



67, 44.316, 250.125

Inverse Universe

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



19, 46.144, 341.227



26, 55.227, 341.742



31, 40.689, 84.852



17, 3.214, 333.403



23, 51.165, 341.537



53, 89.173, 342.663

Previews

White Background



This preview shows how the CIE LCh color 27, 22.133, 245.563 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 27, 22.133, 245.563 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

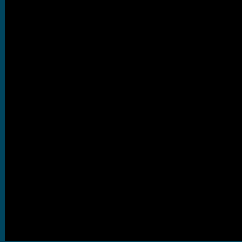
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

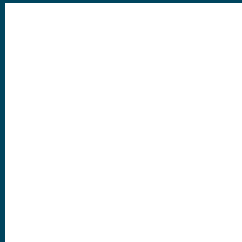
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 27, 22.133, 245.563

Background



This preview shows how black text looks on a background with the CIELCh color 27, 22.133, 245.563.



This preview shows how white text looks on a background with the CIELCh color 27, 22.133, 245.563.

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
27, 22.024, 246.037

Protanopia
27, 17.034, 284.710

Deuteranopia
27, 21.120, 281.034



Tritanopia
27, 19.253, 208.523

Trichromacy



Original Color
27, 22.024, 246.037

Protanomaly
26, 18.908, 263.509

Deuteranomaly
27, 20.980, 263.899

Tritanomaly
27, 19.300, 223.402

Monochromacy



Original Color
27, 22.024, 246.037

Achromatopsia
21, 0.004, 296.813

Achromatomaly
23, 11.179, 230.834

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 22.133, 245.563 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, 69, 94)` looks like.

```
.text, #text, p{  
    color:rgb(0, 69, 94)  
}
```

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, 69, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 69, 94) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 22.133, 245.563 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, 69, 94) }
```

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

```
.border{ border-color:rgb(0, 69, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 69, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 69, 94); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 69, 94); box-shadow:4px  
4px 4px 4px rgb(0, 69, 94) }
```

Background

The CSS property to change the background color of an element to CIELCh 27, 22.133, 245.563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 69, 94) }
```

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

```
.background{ background-color: rgb(0, 69,  
94) }
```

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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