

Converting Colors

CIELCh(24, 40.878, 226.936)

Have a look what the booklet for
CIELCh(24, 40.878, 226.936)
contains.

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Color

CIELCh(27, 25.229, 257.230)

Conversions

Conversions Part 1

Format	Color
Hex	004465
RGB	0, 68, 101
RGB Percent	0%, 27%, 40%
CMY	1.0000, 0.7325, 0.6033
CMYK	1.00, 0.33, 0.00, 0.60
HSL	200°, 100%, 20%
HSV	200°, 100%, 40%
XYZ	4.4174, 5.0937, 13.1035
YIQ	51.4300, -51.1210, -4.1530

Conversions

Conversions Part 2

Format	Color
R_{YB}	0, 41, 101
Decimal	17509
CIE _{Lab}	27.00, -5.58, -24.60
CIE _{LCh}	27, 25.229, 257.230
Yxy	5.0937, 0.1953, 0.2252
Android (android.graphics.Color)	4278207589 (0xFF004465)
YUV	51.4300, 24.4380, -45.1041
Hunter-Lab	22.5692, -4.5587, -18.6250

Details

The CIELCh color **27, 25.229, 257.230** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **23, 44.740, 49.100**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 25.078, 257.436**, and **9, 21.405, 277.862** is the 20% darker color. If you saturate the color by 10%, you get **27, 25.150, 257.530**, and if you desaturate by 10%, it is **28, 23.464, 253.547**.

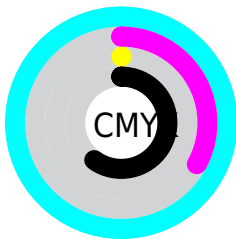
Distribution



- Red (0%)
- Green (27%)
- Blue (40%)



- Red (0%)
- Yellow (16%)
- Blue (40%)



- Cyan (100%)
- Magenta (33%)
- Yellow (0%)
- Black (60%)





- Cyan (100%)
- Magenta (73%)
- Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 25.229, 257.230 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, 25.229, 257.230 by changing the saturation by 10% instead.

 27, 25.229,
257.230


 27, 25.229,
257.230

 100, 25.229,
257.230


 17, 25.229,
257.230


 47, 25.229,
257.230


 7, 25.229, 257.230

 57, 25.229,
257.230

 0, 25.229, 257.230

 67, 25.229,
257.230

 77, 25.229,
257.230

 87, 25.229,
257.230

 97, 25.229,

257.230

■ 27, 25.229,
257.230

■ 27, 25.229,
257.230

■ 27, 25.150,
257.530

■ 28, 23.464,
253.547

■ 30, 21.765,
249.601

■ 31, 19.852,
246.245

■ 33, 17.687,
243.452

■ 34, 15.263,
241.159

■ 36, 12.591,
239.294

■ 37, 9.698, 237.785

■ 39, 6.614, 236.573

■ 41, 3.372, 235.625

Harmonies

Complementary

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



27, 25.229, 257.230



23, 44.740, 49.100

Rectangle

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



27, 25.229, 257.230



27, 25.229, 307.230



27, 25.229, 77.230



27, 25.229, 127.230

Sweetspot

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



27, 25.150, 257.530



49, 12.086, 237.907



37, 51.649, 142.935



24, 8.118, 238.326



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



27, 25.150, 257.530



36, 30.975, 259.184



12, 57.487, 301.450



20, 1.910, 235.541



31, 27.703, 258.349



64, 49.644, 261.695

Inverse Universe

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



21, 46.605, 345.453



29, 56.212, 346.142



36, 43.911, 90.161



20, 3.365, 335.883



24, 50.812, 345.791



54, 87.116, 347.244

Previews

White Background



This preview shows how the CIELCh color 27, 25.229, 257.230 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, 25.229, 257.230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

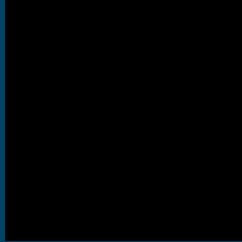
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 25.229, 257.230

Background



This preview shows how black text looks on a background with the CIELCh color 27, 25.229, 257.230.



This preview shows how white text looks on a background with the CIELCh color 27, 25.229, 257.230.

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, 25.164, 257.717

Protanopia

27, 22.227, 285.473

Deuteranopia

27, 25.202, 279.710



Tritanopia
27, 19.499, 206.327

Trichromacy



Original Color
27, 25.164, 257.717

Protanomaly
27, 23.473, 270.920

Deuteranomaly
27, 25.124, 268.884

Tritanomaly
27, 19.730, 227.120

Monochromacy



Original Color
27, 25.164, 257.717

Achromatopsia
22, 0.004, 296.813

Achromatomaly
23, 11.879, 241.002

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 25.229, 257.230 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, 68, 101)` looks like.

```
.text, #text, p{  
    color:rgb(0, 68, 101)  
}
```

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, 68, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 68, 101) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 25.229, 257.230 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, 68, 101) }
```

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

```
.border{ border-color:rgb(0, 68, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 68, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 68, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 68, 101);  
box-shadow:4px 4px 4px 4px rgb(0, 68, 101)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 25.229, 257.230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 68, 101) }
```

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

```
.background{ background-color: rgb(0, 68,  
101) }
```

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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