

Converting Colors

CIELCh(27, 23.261, 279.124)

Have a look what the booklet for
CIELCh(27, 23.261, 279.124)
contains.

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Color

CIELCh(27, 23.261, 279.124)

Conversions

Conversions Part 1

Format	Color
Hex	2D4063
RGB	45, 64, 99
RGB Percent	18%, 25%, 39%
CMY	0.8244, 0.7498, 0.6126
CMYK	0.55, 0.35, 0.00, 0.61
HSL	219°, 38%, 28%
HSV	219°, 55%, 39%
XYZ	5.1362, 5.0937, 12.4621
YIQ	62.3090, -22.5590, 6.8570

Conversions

Conversions Part 2

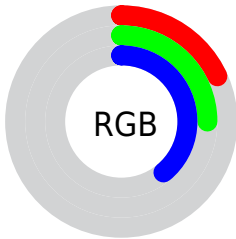
Format	Color
R_{YB}	45, 59, 99
Decimal	2965603
CIE Lab	27.00, 3.69, -22.97
CIE LCh	27, 23.261, 279.124
Yxy	5.0937, 0.2263, 0.2245
Android (android.graphics.Color)	4281155683 (0xFF2D4063)
YUV	62.3090, 18.0887, -15.1800
Hunter-Lab	22.5692, 1.1264, -16.9398

Details

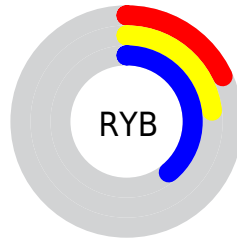
The CIELCh color **27, 23.261, 279.124** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **35, 23.672, 82.759**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 23.493, 280.022**, and **7, 22.917, 282.816** is the 20% darker color. If you saturate the color by 10%, you get **24, 27.729, 281.811**, and if you desaturate by 10%, it is **30, 18.874, 276.774**.

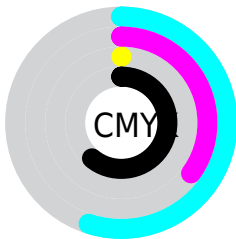
Distribution



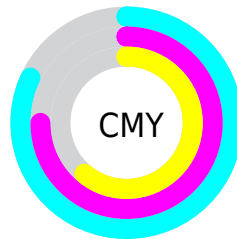
- Red (18%)
- Green (25%)
- Blue (39%)



- Red (18%)
- Yellow (23%)
- Blue (39%)



- Cyan (55%)
- Magenta (35%)
- Yellow (0%)
- Black (61%)



- Cyan (82%)
- Magenta (75%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 27, 23.261, 279.124 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, 23.261, 279.124 by changing the saturation by 10% instead.

■ 27, 23.261,
279.124

■ 27, 23.261,
279.124

■ 100, 23.261,
279.124

■ 17, 23.261,
279.124

■ 47, 23.261,
279.124

■ 7, 23.261, 279.124

■ 57, 23.261,
279.124

■ 0, 23.261, 279.124

■ 67, 23.261,
279.124

■ 77, 23.261,
279.124

■ 87, 23.261,
279.124

■ 97, 23.261,

279.124

■ 27, 23.261,
279.124

■ 27, 23.261,
279.124

■ 24, 27.729,
281.811

■ 30, 18.874,
276.774

■ 22, 32.300,
284.831

■ 32, 14.554,
274.739

■ 19, 36.987,
288.135

■ 35, 10.292,
272.984

■ 17, 41.791,
291.528

■ 38, 6.083, 271.477

■ 16, 44.407,
293.129

■ 41, 1.927, 270.217

■ 43, 2.177, 88.927

■ 46, 6.226, 87.976

■ 49, 10.218, 87.111

■ 52, 14.153, 86.341

Harmonies

Complementary

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



27, 23.261, 279.124



35, 23.672, 82.759

Rectangle

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



27, 23.261, 279.124



27, 23.261, 329.124



27, 23.261, 99.124



27, 23.261, 149.124

Sweetspot

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



27, 23.260, 279.124



48, 8.195, 271.730



38, 23.973, 165.895



23, 5.489, 271.922



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



27, 23.260, 279.124



31, 35.004, 282.753



22, 36.231, 301.071



19, 2.282, 270.707



19, 49.373, 293.744



42, 92.123, 296.136

Inverse Universe

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



26, 26.731, 359.099



31, 39.058, 1.930



40, 31.635, 111.594



18, 2.600, 353.148



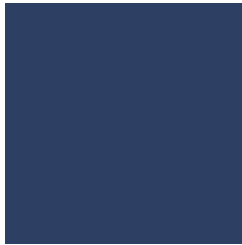
22, 46.482, 13.561



51, 82.219, 17.273

Previews

White Background



This preview shows how the CIE LCh color 27, 23.261, 279.124 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 27, 23.261, 279.124 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

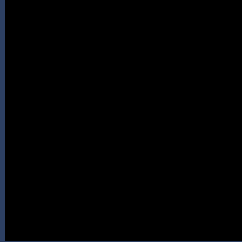
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 23.261, 279.124

Background



This preview shows how black text looks on a background with the CIELCh color 27, 23.261, 279.124.



This preview shows how white text looks on a background with the CIELCh color 27, 23.261, 279.124.

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, 23.261, 279.124

Protanopia

27, 22.940, 284.325

Deuteranopia

27, 23.200, 279.813



Tritanopia
27, 12.494, 212.855

Trichromacy



Original Color
27, 23.261, 279.124

Protanomaly
27, 23.034, 282.807

Deuteranomaly
27, 23.200, 279.813

Tritanomaly
27, 13.980, 247.025

Monochromacy



Original Color
27, 23.261, 279.124

Achromatopsia
26, 0.004, 296.813

Achromatomaly
26, 8.257, 271.589

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 23.261, 279.124 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(45, 64, 99)` looks like.

```
.text, #text, p{  
    color:rgb(45, 64, 99)  
}
```

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(45, 64, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 64, 99) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 23.261, 279.124 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(45, 64, 99) }
```

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

```
.border{ border-color:rgb(45, 64, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 64, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 64, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 64, 99);  
box-shadow:4px 4px 4px 4px rgb(45, 64, 99)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 23.261, 279.124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 64, 99) }
```

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

```
.background{ background-color: rgb(45, 64,  
99) }
```

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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