

Converting Colors

CIELCh(27, 21.611, 274.777)

Have a look what the booklet for
CIELCh(27, 21.611, 274.777)
contains.

CIELCh(27, 21.621, 274.736)	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(27, 21.621, 274.736)

Conversions

Conversions Part 1

Format	Color
Hex	2B4161
RGB	43, 65, 97
RGB Percent	17%, 25%, 38%
CMY	0.8331, 0.7467, 0.6213
CMYK	0.56, 0.33, 0.00, 0.62
HSL	216°, 39%, 27%
HSV	216°, 56%, 38%
XYZ	4.9826, 5.0937, 11.9235
YIQ	62.0700, -23.3840, 5.2880

Conversions

Conversions Part 2

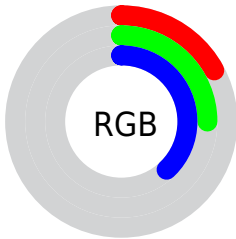
Format	Color
R_{YB}	43, 59, 97
Decimal	2834785
CIE Lab	27.00, 1.79, -21.55
CIE LCh	27, 21.621, 274.736
Yxy	5.0937, 0.2265, 0.2315
Android (android.graphics.Color)	4281024865 (0xFF2B4161)
YUV	62.0700, 17.2205, -16.7244
Hunter-Lab	22.5692, -0.0884, -15.5250




Details

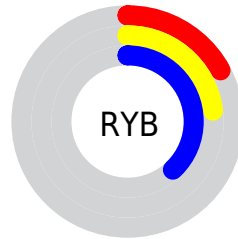
The CIELCh color **27, 21.621, 274.736** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **33, 23.035, 77.667**, and the grayscale version is **26, 0.004, 296.813**.




A 20% lighter version of the original color is **47, 21.487, 274.607**, and **8, 20.836, 279.069** is the 20% darker color. If you saturate the color by 10%, you get **25, 25.558, 277.557**, and if you desaturate by 10%, it is **29, 17.716, 272.279**.

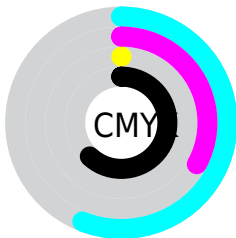
Distribution







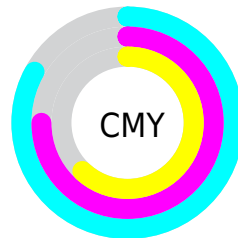
-  Red (17%)
-  Green (25%)
-  Blue (38%)






-  Red (17%)
-  Yellow (23%)
-  Blue (38%)



-  Cyan (56%)
-  Magenta (33%)
-  Yellow (0%)
-  Black (62%)



-  Cyan (83%)
-  Magenta (75%)
-  Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 27, 21.621, 274.736 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, 21.621, 274.736 by changing the saturation by 10% instead.

■ 27, 21.621,
274.736

■ 27, 21.621,
274.736

■ 100, 21.621,
274.736

■ 17, 21.621,
274.736

■ 47, 21.621,
274.736

■ 7, 21.621, 274.736

■ 57, 21.621,
274.736

■ 0, 21.621, 274.736

■ 67, 21.621,
274.736

■ 77, 21.621,
274.736

■ 87, 21.621,
274.736

■ 97, 21.621,

274.736

■ 27, 21.621,
274.736

■ 27, 21.621,
274.736

■ 25, 25.558,
277.557

■ 29, 17.716,
272.279

■ 22, 29.551,
280.742

■ 32, 13.831,
270.157

■ 20, 33.626,
284.248

■ 34, 9.961, 268.335

■ 37, 6.105, 266.774

■ 18, 37.818,
287.808

■ 39, 2.267, 265.467

■ 17, 39.576,
289.098

■ 42, 1.548, 84.104

■ 45, 5.336, 83.162

■ 47, 9.092, 82.281

■ 50, 12.811, 81.497

Harmonies

Complementary

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



27, 21.621, 274.736



33, 23.035, 77.667

Rectangle

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



27, 21.621, 274.736



27, 21.621, 324.736



27, 21.621, 94.736



27, 21.621, 144.736

Sweetspot

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



27, 21.620, 274.736



47, 8.061, 267.005



37, 25.079, 162.674



23, 5.436, 267.195



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, 21.620, 274.736



32, 32.145, 278.496



21, 36.447, 299.941



19, 2.154, 265.822



20, 44.831, 289.898



46, 83.641, 292.534

Inverse Universe

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



26, 27.336, 355.373



31, 39.458, 357.967



39, 31.578, 109.207



18, 2.687, 349.603



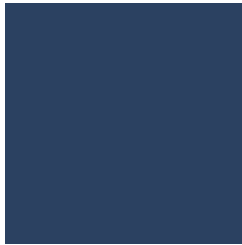
22, 46.108, 8.376



51, 80.952, 11.833

Previews

White Background



This preview shows how the CIELCh color 27, 21.621, 274.736 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, 21.621, 274.736 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, 21.621, 274.736

Background



This preview shows how black text looks on a background with the CIELCh color 27, 21.621, 274.736.



This preview shows how white text looks on a background with the CIELCh color 27, 21.621, 274.736.

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, 21.621, 274.736

Protanopia

27, 20.965, 284.571

Deuteranopia

27, 22.464, 281.509



Tritanopia
27, 13.103, 215.084

Trichromacy



Original Color
27, 21.621, 274.736

Protanomaly
27, 21.179, 280.207

Deuteranomaly
27, 21.981, 278.518

Tritanomaly
27, 14.360, 245.297

Monochromacy



Original Color
27, 21.621, 274.736

Achromatopsia
26, 0.004, 296.813

Achromatomaly
26, 8.387, 269.038

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 21.621, 274.736 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(43, 65, 97)` looks like.

```
.text, #text, p{  
    color:rgb(43, 65, 97)  
}
```

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(43, 65, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 65, 97) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 21.621, 274.736 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(43, 65, 97) }
```

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

```
.border{ border-color:rgb(43, 65, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 65, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 65, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 65, 97);  
box-shadow:4px 4px 4px 4px rgb(43, 65, 97)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 21.621, 274.736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 65, 97) }
```

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

```
.background{ background-color: rgb(43, 65,  
97) }
```

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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