

Converting Colors

CIELCh(29, 21.869, 267.172)

Have a look what the booklet for
CIELCh(29, 21.869, 267.172)
contains.

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Color

CIELCh(29, 21.725, 266.407)

Conversions

Conversions Part 1

Format	Color
Hex	274766
RGB	39, 71, 102
RGB Percent	15%, 28%, 40%
CMY	0.8486, 0.7229, 0.6015
CMYK	0.62, 0.30, 0.00, 0.60
HSL	209°, 45%, 27%
HSV	209°, 62%, 40%
XYZ	5.4328, 5.8380, 13.3139
YIQ	64.9660, -29.0230, 2.8570

Conversions

Conversions Part 2

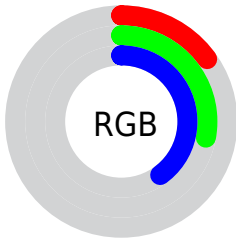
Format	Color
R_{YB}	39, 60, 102
Decimal	2574182
CIE Lab	29.00, -1.36, -21.68
CIE LCh	29, 21.725, 266.407
Yxy	5.8380, 0.2210, 0.2375
Android (android.graphics.Color)	4280764262 (0xFF274766)
YUV	64.9660, 18.2578, -22.7722
Hunter-Lab	24.1619, -2.1477, -15.7570

Details

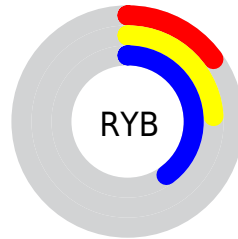
The CIELCh color **29, 21.725, 266.407** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **32, 25.986, 67.276**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 21.713, 266.615**, and **10, 20.703, 275.130** is the 20% darker color. If you saturate the color by 10%, you get **27, 24.996, 269.653**, and if you desaturate by 10%, it is **31, 18.394, 263.602**.

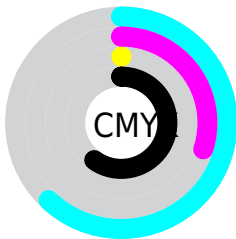
Distribution



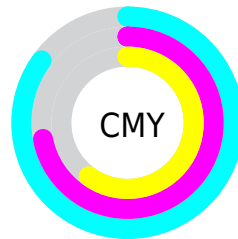
- Red (15%)
- Green (28%)
- Blue (40%)



- Red (15%)
- Yellow (24%)
- Blue (40%)



- Cyan (62%)
- Magenta (30%)
- Yellow (0%)
- Black (60%)



- Cyan (85%)
- Magenta (72%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 29, 21.725, 266.407 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 29, 21.725, 266.407 by changing the saturation by 10% instead.

■ 29, 21.725,
266.407

■ 29, 21.725,
266.407

■ 100, 21.725,
266.407

■ 19, 21.725,
266.407

■ 49, 21.725,
266.407

■ 9, 21.725, 266.407

■ 59, 21.725,
266.407

■ 0, 21.725, 266.407

■ 69, 21.725,
266.407

■ 79, 21.725,
266.407

■ 89, 21.725,
266.407

■ 99, 21.725,

266.407

■ 29, 21.725,
266.407

■ 29, 21.725,
266.407

■ 27, 24.996,
269.653

■ 31, 18.394,
263.602

■ 25, 28.240,
273.336

■ 33, 14.992,
261.207

■ 23, 31.506,
277.379

■ 36, 11.516,
259.176

■ 22, 34.221,
280.376

■ 38, 7.973, 257.459

■ 40, 4.376, 256.018

■ 43, 0.739, 255.027

■ 45, 2.926, 73.570

■ 47, 6.605, 72.691

■ 50, 10.288, 71.904

Harmonies

Complementary

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



29, 21.725, 266.407



32, 25.986, 67.276

Rectangle

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



29, 21.725, 266.407



29, 21.725, 316.407



29, 21.725, 86.407



29, 21.725, 136.407

Sweetspot

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



29, 21.724, 266.407



50, 8.577, 257.081



38, 31.233, 156.336



24, 5.848, 257.396



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



29, 21.724, 266.407



35, 31.850, 271.130



20, 41.914, 298.635



20, 2.056, 255.630



25, 37.794, 281.094



53, 69.451, 284.057

Inverse Universe

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



26, 32.650, 349.793



31, 46.111, 352.423



41, 35.468, 103.986



20, 2.995, 343.834



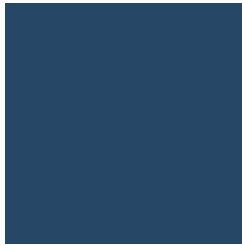
23, 47.283, 359.291



52, 81.521, 1.986

Previews

White Background



This preview shows how the CIELCh color 29, 21.725, 266.407 looks on a white background.

Color Contrast Check

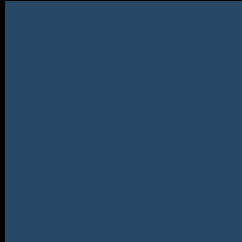
Large Text (above 18pt) WCAG AA ✓ Pass

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 29, 21.725, 266.407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

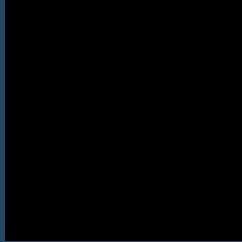
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

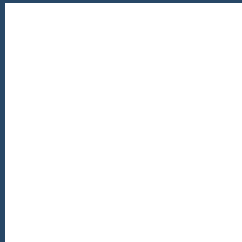
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 29, 21.725, 266.407

Background



This preview shows how black text looks on a background with the CIELCh color 29, 21.725, 266.407.

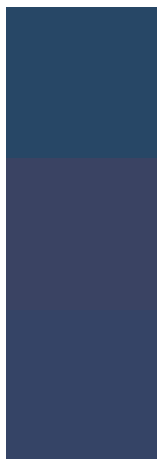


This preview shows how white text looks on a background with the CIELCh color 29, 21.725, 266.407.

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

29, 21.725, 266.407

Protanopia

29, 20.728, 285.174

Deuteranopia

29, 22.218, 281.017



Tritanopia
29, 16.072, 211.266

Trichromacy



Original Color
29, 21.725, 266.407

Protanomaly
29, 21.126, 278.181

Deuteranomaly
29, 21.969, 275.740

Tritanomaly
29, 16.411, 237.181

Monochromacy



Original Color
29, 21.725, 266.407

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 8.442, 257.024

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 21.725, 266.407 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(39, 71, 102)` looks like.

```
.text, #text, p{  
    color:rgb(39, 71, 102)  
}
```

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(39, 71, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 71, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 21.725, 266.407 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(39, 71, 102) }
```

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

```
.border{ border-color:rgb(39, 71, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 71, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 71, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 71, 102);  
box-shadow:4px 4px 4px 4px rgb(39, 71,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 29, 21.725, 266.407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 71, 102) }
```

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

```
.background{ background-color: rgb(39, 71,  
102) }
```

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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