

Converting Colors

CIELCh(27, 36.398, 222.958)

Have a look what the booklet for
CIELCh(27, 36.398, 222.958)
contains.

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Color

CIELCh(30, 22.807, 242.859)

Conversions

Conversions Part 1

Format	Color
Hex	024D66
RGB	2, 77, 102
RGB Percent	1%, 30%, 40%
CMY	0.9939, 0.6991, 0.6009
CMYK	0.98, 0.25, 0.00, 0.60
HSL	195°, 97%, 20%
HSV	195°, 98%, 40%
XYZ	5.0421, 6.2359, 13.4501
YIQ	57.4250, -52.7250, -8.1250

Conversions

Conversions Part 2

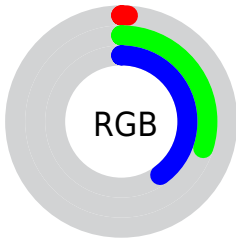
Format	Color
R_{YB}	2, 45, 102
Decimal	150886
CIE _{Lab}	30.00, -10.40, -20.30
CIE _{LCh}	30, 22.807, 242.859
Yxy	6.2359, 0.2039, 0.2522
Android (android.graphics.Color)	4278340966 (0xFF024D66)
YUV	57.4250, 21.9755, -48.6077
Hunter-Lab	24.9718, -7.6593, -14.4541

Details

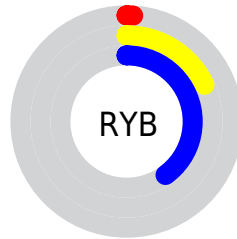
The CIELCh color **30, 22.807, 242.859** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **22, 45.803, 44.694**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 22.730, 242.573**, and **12, 17.758, 263.683** is the 20% darker color. If you saturate the color by 10%, you get **30, 22.982, 243.370**, and if you desaturate by 10%, it is **31, 21.720, 239.351**.

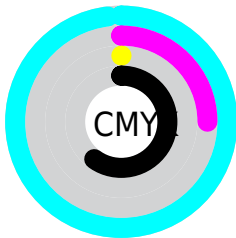
Distribution



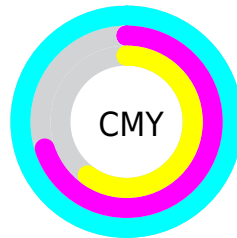
- Red (1%)
- Green (30%)
- Blue (40%)



- Red (1%)
- Yellow (18%)
- Blue (40%)



- Cyan (98%)
- Magenta (25%)
- Yellow (0%)
- Black (60%)





- Cyan (99%)
- Magenta (70%)
- Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 22.807, 242.859 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 30, 22.807, 242.859 by changing the saturation by 10% instead.


 30, 22.807,
242.859


 30, 22.807,
242.859

 100, 22.807,
242.859


 20, 22.807,
242.859


 50, 22.807,
242.859


 10, 22.807,
242.859

 60, 22.807,
242.859

 0, 22.807, 242.859

 70, 22.807,
242.859

 80, 22.807,
242.859

 90, 22.807,
242.859

■ 30, 22.807,
242.859

■ 30, 22.807,
242.859

■ 30, 22.982,
243.370

■ 31, 21.720,
239.351

■ 32, 20.477,
236.125

■ 33, 18.903,
233.477

■ 35, 16.978,
231.342

■ 36, 14.711,
229.644

■ 37, 12.131,
228.307

■ 39, 9.276, 227.269

■ 40, 6.186, 226.476

Harmonies

Complementary

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



30, 22.807, 242.859



22, 45.803, 44.694

Rectangle

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



30, 22.807, 242.859



30, 22.807, 292.859



30, 22.807, 62.859



30, 22.807, 112.859

Sweetspot

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



30, 22.806, 242.859



50, 12.060, 227.494



37, 54.435, 140.601



24, 8.085, 227.790



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



30, 22.806, 242.859



39, 27.947, 244.809



14, 51.076, 297.638



20, 1.927, 225.933



34, 25.099, 244.062



69, 44.213, 247.092

Inverse Universe

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



21, 48.819, 340.280



29, 59.023, 340.898



34, 42.174, 83.420



20, 3.552, 332.840



25, 53.336, 340.662



54, 91.553, 341.636

Previews

White Background



This preview shows how the CIELCh color 30, 22.807, 242.859 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 30, 22.807, 242.859 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

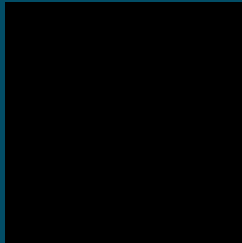
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 22.807, 242.859

Background



This preview shows how black text looks on a background with the CIELCh color 30, 22.807, 242.859.

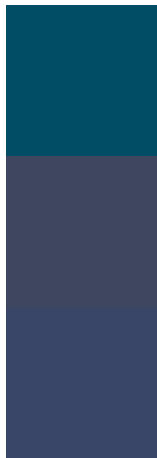


This preview shows how white text looks on a background with the CIELCh color 30, 22.807, 242.859.

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


30, 22.798, 242.758

Protanopia

30, 16.756, 284.304

Deuteranopia

30, 21.347, 282.764



Tritanopia
30, 20.719, 207.450

Trichromacy



Original Color
30, 22.798, 242.758

Protanomaly
29, 18.995, 261.017

Deuteranomaly
29, 21.990, 264.534

Tritanomaly
30, 20.544, 221.181

Monochromacy



Original Color
30, 22.798, 242.758

Achromatopsia
24, 0.004, 296.813

Achromatomaly
25, 11.433, 229.459

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 22.807, 242.859 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(2, 77, 102)` looks like.

```
.text, #text, p{  
    color:rgb(2, 77, 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(2, 77, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 77, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 22.807, 242.859 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(2, 77, 102) }
```

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

```
.border{ border-color:rgb(2, 77, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 77, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 77, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 77, 102);  
box-shadow:4px 4px 4px 4px rgb(2, 77, 102)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 22.807, 242.859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 77, 102) }
```

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

```
.background{ background-color: rgb(2, 77,  
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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