

Converting Colors

CIELCh(25, 53.855, 212.461)

Have a look what the booklet for
CIELCh(25, 53.855, 212.461)
contains.

CIELCh(30, 23.127, 244.390)	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(30, 23.127, 244.390)

Conversions

Conversions Part 1

Format	Color
Hex	014D67
RGB	1, 77, 103
RGB Percent	0%, 30%, 40%
CMY	0.9948, 0.6995, 0.5974
CMYK	0.99, 0.25, 0.00, 0.60
HSL	195°, 97%, 20%
HSV	195°, 99%, 40%
XYZ	5.0750, 6.2359, 13.6780
YIQ	57.2400, -53.6420, -8.0260

Conversions

Conversions Part 2

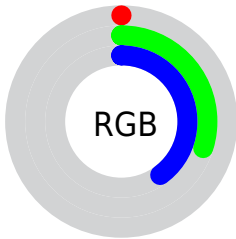
Format	Color
R_{YB}	1, 45, 103
Decimal	85351
CIE _{Lab}	30.00, -10.00, -20.85
CIE _{LCh}	30, 23.127, 244.390
Yxy	6.2359, 0.2031, 0.2495
Android (android.graphics.Color)	4278275431 (0xFF014D67)
YUV	57.2400, 22.5597, -49.3225
Hunter-Lab	24.9718, -7.4242, -14.9951

Details

The CIELCh color **30, 23.127, 244.390** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **23, 46.127, 45.117**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 23.057, 243.859**, and **12, 18.318, 265.390** is the 20% darker color. If you saturate the color by 10%, you get **30, 23.282, 244.832**, and if you desaturate by 10%, it is **31, 21.989, 240.795**.

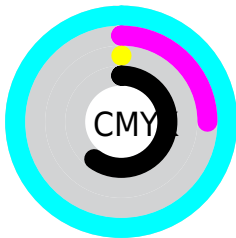
Distribution



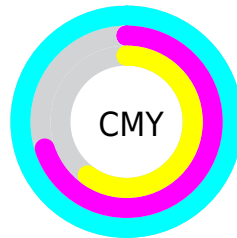
- Red (0%)
- Green (30%)
- Blue (40%)



- Red (0%)
- Yellow (18%)
- Blue (40%)



- Cyan (99%)
- Magenta (25%)
- Yellow (0%)
- Black (60%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 23.127, 244.390 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, 23.127, 244.390 by changing the saturation by 10% instead.


 30, 23.127,
244.390


 30, 23.127,
244.390


 100, 23.127,
244.390


 20, 23.127,
244.390


 50, 23.127,
244.390


 10, 23.127,
244.390

 60, 23.127,
244.390

 0, 23.127, 244.390

 70, 23.127,
244.390

 80, 23.127,
244.390

 90, 23.127,
244.390

■ 30, 23.127,
244.390

■ 30, 23.127,
244.390

■ 30, 23.282,
244.832

■ 31, 21.989,
240.795

■ 32, 20.709,
237.467

■ 33, 19.105,
234.726

■ 35, 17.157,
232.510

■ 36, 14.870,
230.741

■ 37, 12.272,
229.344

■ 39, 9.400, 228.253

■ 40, 6.295, 227.415

Harmonies

Complementary

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



30, 23.127, 244.390



23, 46.127, 45.117

Rectangle

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



30, 23.127, 244.390



30, 23.127, 294.390



30, 23.127, 64.390



30, 23.127, 114.390

Sweetspot

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



30, 23.126, 244.391



50, 12.046, 228.463



37, 54.292, 141.013



24, 8.077, 228.772



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, 23.126, 244.391



39, 28.154, 246.245



14, 52.793, 298.521



20, 1.923, 226.821



34, 25.275, 245.484



69, 44.594, 248.566

Inverse Universe

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



22, 48.922, 340.759



29, 58.738, 341.359



34, 42.744, 84.793



20, 3.534, 333.111



25, 53.080, 341.113



54, 91.098, 342.128

Previews

White Background



This preview shows how the CIELCh color 30, 23.127, 244.390 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, 23.127, 244.390 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

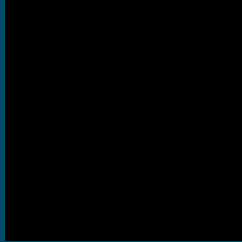
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

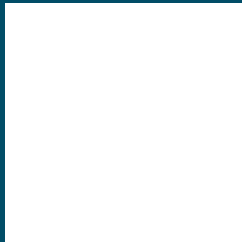
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 30, 23.127, 244.390

Background



This preview shows how black text looks on a background with the CIELCh color 30, 23.127, 244.390.



This preview shows how white text looks on a background with the CIELCh color 30, 23.127, 244.390.

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, 23.178, 244.120

Protanopia

30, 17.382, 284.789

Deuteranopia

30, 22.014, 282.438



Tritanopia
30, 20.719, 207.450

Trichromacy



Original Color
30, 23.178, 244.120

Protanomaly
29, 19.502, 262.300

Deuteranomaly
29, 22.513, 265.603

Tritanomaly
30, 20.634, 221.059

Monochromacy



Original Color
30, 23.178, 244.120

Achromatopsia
24, 0.004, 296.813

Achromatomaly
25, 11.693, 232.574

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 23.127, 244.390 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(1, 77, 103)` looks like.

```
.text, #text, p{  
    color:rgb(1, 77, 103)  
}
```

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(1, 77, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 77, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 23.127, 244.390 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(1, 77, 103) }
```

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

```
.border{ border-color:rgb(1, 77, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 77, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 77, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 77, 103);  
box-shadow:4px 4px 4px 4px rgb(1, 77, 103)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 23.127, 244.390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 77, 103) }
```

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

```
.background{ background-color: rgb(1, 77,  
103) }
```

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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