

Converting Colors

CIELCh(30, 25.285, 253.299)

Have a look what the booklet for
CIELCh(30, 25.285, 253.299)
contains.

CIELCh(30, 25.227, 253.033)	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, 25.227, 253.033)

Conversions

Conversions Part 1

Format	Color
Hex	024C6C
RGB	2, 76, 108
RGB Percent	1%, 30%, 42%
CMY	0.9936, 0.7026, 0.5772
CMYK	0.98, 0.30, 0.00, 0.58
HSL	198°, 97%, 21%
HSV	198°, 98%, 42%
XYZ	5.2911, 6.2359, 15.0635
YIQ	57.5220, -54.3760, -5.7360

Conversions

Conversions Part 2

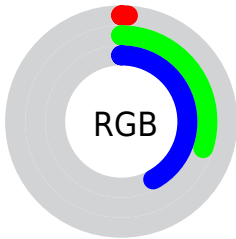
Format	Color
R_{YB}	2, 46, 108
Decimal	150636
CIE _{Lab}	30.00, -7.36, -24.13
CIE _{LCh}	30, 25.227, 253.033
Yxy	6.2359, 0.1990, 0.2345
Android (android.graphics.Color)	4278340716 (0xFF024C6C)
YUV	57.5220, 24.8857, -48.6928
Hunter-Lab	24.9718, -5.8798, -18.2848

Details

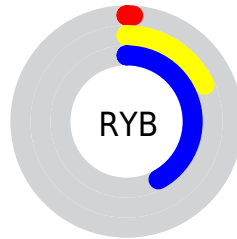
The CIELCh color **30, 25.227, 253.033** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **25, 47.220, 47.878**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 25.343, 252.861**, and **12, 21.284, 273.298** is the 20% darker color. If you saturate the color by 10%, you get **30, 25.467, 253.613**, and if you desaturate by 10%, it is **31, 23.716, 248.979**.

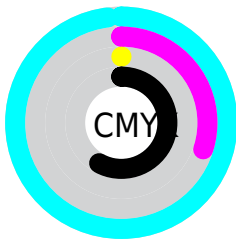
Distribution



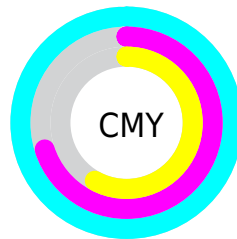
- Red (1%)
- Green (30%)
- Blue (42%)



- Red (1%)
- Yellow (18%)
- Blue (42%)



- Cyan (98%)
- Magenta (30%)
- Yellow (0%)
- Black (58%)





- Cyan (99%)
- Magenta (70%)
- Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 25.227, 253.033 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, 25.227, 253.033 by changing the saturation by 10% instead.


 30, 25.227,
253.033


 30, 25.227,
253.033

 100, 25.227,
253.033


 20, 25.227,
253.033


 50, 25.227,
253.033


 10, 25.227,
253.033

 60, 25.227,
253.033

 0, 25.227, 253.033

 70, 25.227,
253.033

 80, 25.227,
253.033

 90, 25.227,
253.033

■ 30, 25.227,
253.033

■ 30, 25.227,
253.033

■ 30, 25.467,
253.613

■ 31, 23.716,
248.979

■ 33, 22.097,
245.209

■ 34, 20.206,
242.049

■ 35, 18.013,
239.450

■ 37, 15.515,
237.341

■ 39, 12.733,
235.646

■ 40, 9.699, 234.292

■ 42, 6.449, 233.221

Harmonies

Complementary

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



30, 25.227, 253.033



25, 47.220, 47.878

Rectangle

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



30, 25.227, 253.033



30, 25.227, 303.033



30, 25.227, 73.033



30, 25.227, 123.033

Sweetspot

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



30, 25.226, 253.034



52, 12.596, 234.581



39, 54.373, 142.440



26, 8.583, 235.001



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



30, 25.226, 253.034



39, 31.123, 255.110



14, 58.498, 300.739



21, 1.989, 232.442



33, 27.148, 254.130



66, 47.978, 257.328

Inverse Universe

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



23, 49.146, 343.704



31, 59.366, 344.491



38, 45.104, 88.880



21, 3.568, 334.874



25, 52.363, 344.117



54, 89.129, 345.370

Previews

White Background



This preview shows how the CIE LCh color 30, 25.227, 253.033 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, 25.227, 253.033 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

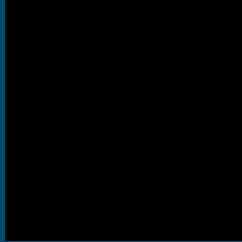
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 25.227, 253.033

Background



This preview shows how black text looks on a background with the CIELCh color 30, 25.227, 253.033.



This preview shows how white text looks on a background with the CIELCh color 30, 25.227, 253.033.

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, 25.227, 253.033

Protanopia

30, 21.252, 284.504

Deuteranopia

30, 24.731, 280.130



Tritanopia
30, 20.719, 207.450

Trichromacy



Original Color
30, 25.227, 253.033

Protanomaly
30, 22.865, 267.697

Deuteranomaly
30, 24.943, 267.436

Tritanomaly
30, 20.762, 224.965

Monochromacy



Original Color
30, 25.227, 253.033

Achromatopsia
24, 0.004, 296.813

Achromatomaly
25, 11.984, 235.551

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 25.227, 253.033 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, 76, 108)` looks like.

```
.text, #text, p{  
    color:rgb(2, 76, 108)  
}
```

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, 76, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 76, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 25.227, 253.033 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, 76, 108) }
```

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

```
.border{ border-color:rgb(2, 76, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 76, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 76, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 76, 108);  
box-shadow:4px 4px 4px 4px rgb(2, 76, 108)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 25.227, 253.033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 76, 108) }
```

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

```
.background{ background-color: rgb(2, 76,  
108) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor