

Converting Colors

CIELCh(30, 34.358, 232.135)

Have a look what the booklet for
CIELCh(30, 34.358, 232.135)
contains.

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Color

CIELCh(32, 25.380, 249.243)

Conversions

Conversions Part 1

Format	Color
Hex	005170
RGB	0, 81, 112
RGB Percent	0%, 32%, 44%
CMY	0.9984, 0.6817, 0.5601
CMYK	1.00, 0.28, 0.00, 0.56
HSL	197°, 99%, 22%
HSV	197°, 100%, 44%
XYZ	5.8936, 7.0852, 16.4366
YIQ	60.3150, -58.2270, -7.5310

Conversions

Conversions Part 2

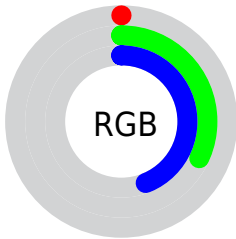
Format	Color
RYB	0, 47, 112
Decimal	20848
CIELab	32.00, -8.99, -23.73
CIELCh	32, 25.380, 249.243
Yxy	7.0852, 0.2004, 0.2409
Android (android.graphics.Color)	4278210928 (0xFF005170)
YUV	60.3150, 25.4807, -52.8963
Hunter-Lab	26.6180, -7.0593, -17.9790

Details

The CIELCh color **32, 25.380, 249.243** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **25, 49.960, 46.588**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **52, 25.480, 249.677**, and **14, 20.715, 268.341** is the 20% darker color. If you saturate the color by 10%, you get **32, 25.429, 249.376**, and if you desaturate by 10%, it is **33, 24.036, 245.310**.

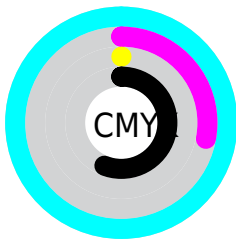
Distribution



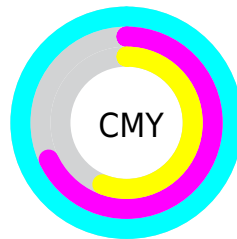
- Red (0%)
- Green (32%)
- Blue (44%)



- Red (0%)
- Yellow (18%)
- Blue (44%)



- Cyan (100%)
- Magenta (28%)
- Yellow (0%)
- Black (56%)





- Cyan (100%)
- Magenta (68%)
- Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 25.380, 249.243 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 32, 25.380, 249.243 by changing the saturation by 10% instead.


 32, 25.380,
249.243


 32, 25.380,
249.243

 100, 25.380,
249.243


 22, 25.380,
249.243

 52, 25.380,
249.243


 12, 25.380,
249.243


 62, 25.380,
249.243

 2, 25.380, 249.243

 72, 25.380,
249.243

 0, 25.380, 249.243

 82, 25.380,
249.243

 92, 25.380,
249.243

■ 32, 25.380,
249.243

■ 32, 25.380,
249.243

■ 32, 25.429,
249.376

■ 33, 24.036,
245.310

■ 34, 22.580,
241.626

■ 36, 20.812,
238.560

■ 37, 18.699,
236.059

■ 39, 16.239,
234.047

■ 40, 13.456,
232.445

■ 42, 10.385,
231.180

■ 44, 7.069, 230.194

Harmonies

Complementary

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



32, 25.380, 249.243



25, 49.960, 46.588

Rectangle

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



32, 25.380, 249.243



32, 25.380, 299.243



32, 25.380, 69.243



32, 25.380, 119.243

Sweetspot

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



32, 25.379, 249.244



54, 12.953, 231.309



41, 57.805, 141.154



27, 8.818, 231.699



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



32, 25.379, 249.244



41, 30.927, 250.759



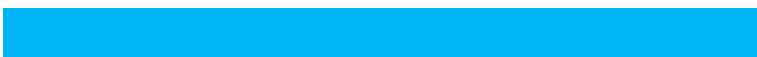
15, 58.662, 299.814



23, 2.073, 229.417



34, 26.725, 249.759



69, 46.601, 252.775

Inverse Universe

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



24, 51.487, 342.358



32, 61.838, 342.886



38, 46.080, 85.883



22, 3.774, 333.922



26, 53.970, 342.536



55, 91.235, 343.612

Previews

White Background



This preview shows how the CIELCh color 32, 25.380, 249.243 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 32, 25.380, 249.243 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

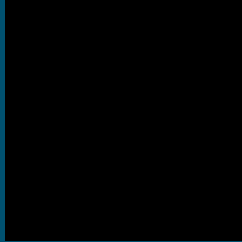
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 25.380, 249.243

Background



This preview shows how black text looks on a background with the CIELCh color 32, 25.380, 249.243.



This preview shows how white text looks on a background with the CIELCh color 32, 25.380, 249.243.

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

32, 25.380, 249.243

Protanopia

32, 21.028, 285.139

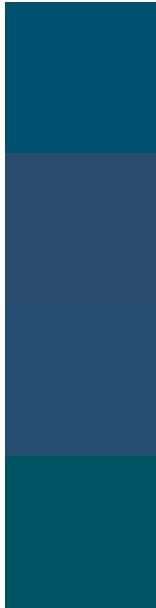
Deuteranopia

32, 25.026, 281.585



Tritanopia
32, 21.626, 206.870

Trichromacy



Original Color
32, 25.380, 249.243

Protanomaly
32, 22.395, 264.793

Deuteranomaly
32, 24.926, 266.265

Tritanomaly
32, 21.653, 223.382

Monochromacy



Original Color
32, 25.380, 249.243

Achromatopsia
26, 0.004, 296.813

Achromatomaly
27, 12.749, 236.219

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 25.380, 249.243 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(0, 81, 112)` looks like.

```
.text, #text, p{  
    color:rgb(0, 81, 112)  
}
```

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(0, 81, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 81, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 25.380, 249.243 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(0, 81, 112) }
```

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

```
.border{ border-color:rgb(0, 81, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 81, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 81, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 81, 112);  
box-shadow:4px 4px 4px 4px rgb(0, 81, 112)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 25.380, 249.243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 81, 112) }
```

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

```
.background{ background-color: rgb(0, 81,  
112) }
```

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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