

Converting Colors

CIELCh(32, 28.797, 252.273)

Have a look what the booklet for
CIELCh(32, 28.797, 252.273)
contains.

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Color

CIELCh(32, 27.775, 256.400)

Conversions

Conversions Part 1

Format	Color
Hex	005075
RGB	0, 80, 117
RGB Percent	0%, 31%, 46%
CMY	1.0000, 0.6846, 0.5397
CMYK	1.00, 0.31, 0.00, 0.54
HSL	199°, 100%, 23%
HSV	199°, 100%, 46%
XYZ	6.1164, 7.0852, 17.9946
YIQ	60.2980, -59.5570, -5.4530

Conversions

Conversions Part 2

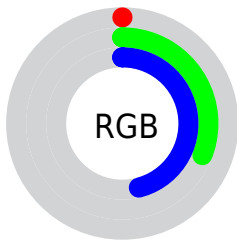
Format	Color
R _Y B	0, 48, 117
Decimal	20597
CIE Lab	32.00, -6.53, -27.00
CIE LCh	32, 27.775, 256.400
Yxy	7.0852, 0.1961, 0.2271
Android (android.graphics.Color)	4278210677 (0xFF005075)
YUV	60.2980, 27.9541, -52.8813
Hunter-Lab	26.6180, -5.5648, -21.4493

Details

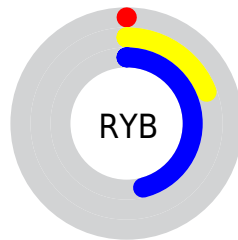
The CIELCh color **32, 27.775, 256.400** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **27, 51.323, 48.823**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **52, 27.625, 256.465**, and **14, 23.713, 274.986** is the 20% darker color. If you saturate the color by 10%, you get **32, 27.718, 256.592**, and if you desaturate by 10%, it is **33, 25.985, 252.352**.

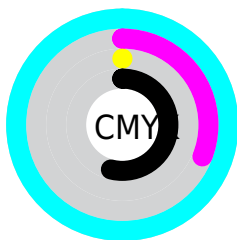
Distribution



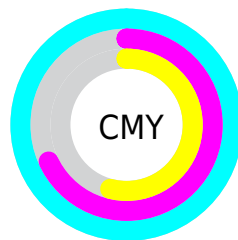
- Red (0%)
- Green (31%)
- Blue (46%)



- Red (0%)
- Yellow (19%)
- Blue (46%)



- Cyan (100%)
- Magenta (31%)
- Yellow (0%)
- Black (54%)



- Cyan (100%)
- Magenta (68%)
- Yellow (54%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 32, 27.775, 256.400 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, 27.775, 256.400 by changing the saturation by 10% instead.

 32, 27.775,
256.400


 32, 27.775,
256.400

 100, 27.775,
256.400

 22, 27.775,
256.400

 52, 27.775,
256.400


 12, 27.775,
256.400

 62, 27.775,
256.400

 2, 27.775, 256.400

 72, 27.775,
256.400

 0, 27.775, 256.400

 82, 27.775,
256.400

 92, 27.775,
256.400

■ 32, 27.775,
256.400

■ 32, 27.775,
256.400

■ 32, 27.718,
256.592

■ 33, 25.985,
252.352

■ 35, 24.191,
248.312

■ 36, 22.140,
244.891

■ 38, 19.786,
242.057

■ 40, 17.120,
239.745

■ 42, 14.155,
237.878

■ 43, 10.923,
236.378

■ 45, 7.461, 235.184

Harmonies

Complementary

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



32, 27.775, 256.400



27, 51.323, 48.823

Rectangle

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



32, 27.775, 256.400



32, 27.775, 306.400



32, 27.775, 76.400



32, 27.775, 126.400

Sweetspot

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



32, 27.718, 256.592



56, 13.542, 236.482



43, 58.611, 142.009



28, 9.102, 236.947



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



32, 27.718, 256.592



42, 34.003, 258.008



15, 63.663, 301.345



24, 2.146, 234.185



33, 28.621, 256.838



67, 49.905, 259.879

Inverse Universe

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



25, 51.954, 345.074



34, 62.637, 345.649



41, 48.344, 88.546



23, 3.814, 335.447



26, 53.488, 345.172



55, 89.746, 346.440

Previews

White Background



This preview shows how the CIE LCh color 32, 27.775, 256.400 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 CIE LCh color 32, 27.775, 256.400 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, 27.775, 256.400

Background



This preview shows how black text looks on a background with the CIELCh color 32, 27.775, 256.400.



This preview shows how white text looks on a background with the CIELCh color 32, 27.775, 256.400.

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, 27.708, 256.827

Protanopia

32, 24.189, 285.465

Deuteranopia

32, 27.747, 279.386



Tritanopia
32, 21.626, 206.870

Trichromacy



Original Color
32, 27.708, 256.827

Protanomaly
31, 25.703, 270.009

Deuteranomaly
32, 27.368, 267.674

Tritanomaly
32, 21.911, 226.916

Monochromacy



Original Color
32, 27.708, 256.827

Achromatopsia
26, 0.004, 296.813

Achromatomaly
27, 13.412, 241.365

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 27.775, 256.400 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, 80, 117)` looks like.

```
.text, #text, p{  
    color:rgb(0, 80, 117)  
}
```

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, 80, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 80, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 27.775, 256.400 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, 80, 117) }
```

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

```
.border{ border-color:rgb(0, 80, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 80, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 80, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 80, 117);  
box-shadow:4px 4px 4px 4px rgb(0, 80, 117)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 27.775, 256.400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 80, 117) }
```

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

```
.background{ background-color: rgb(0, 80,  
117) }
```

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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