

Converting Colors

CIELCh(32, 27.227, 255.704)

Have a look what the booklet for
CIELCh(32, 27.227, 255.704)
contains.

CIELCh(32, 27.197, 256.000)	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(32, 27.197, 256.000)

Conversions

Conversions Part 1

Format	Color
Hex	035074
RGB	3, 80, 116
RGB Percent	1%, 31%, 45%
CMY	0.9882, 0.6847, 0.5434
CMYK	0.97, 0.31, 0.00, 0.54
HSL	199°, 95%, 23%
HSV	199°, 97%, 46%
XYZ	6.1120, 7.0852, 17.6976
YIQ	61.0810, -57.4480, -5.1280

Conversions

Conversions Part 2

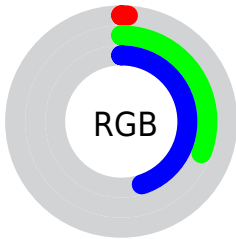
Format	Color
R _Y B	3, 49, 116
Decimal	217204
CIE Lab	32.00, -6.58, -26.39
CIE LCh	32, 27.197, 256.000
Yxy	7.0852, 0.1978, 0.2293
Android (android.graphics.Color)	4278407284 (0xFF035074)
YUV	61.0810, 27.0751, -50.9370
Hunter-Lab	26.6180, -5.5945, -20.7878

Details

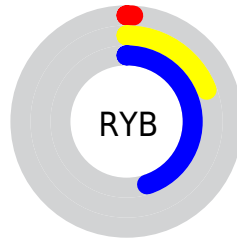
The CIELCh color **32, 27.197, 256.000** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **27, 49.627, 49.100**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **52, 27.081, 255.966**, and **14, 23.713, 274.986** is the 20% darker color. If you saturate the color by 10%, you get **32, 27.664, 257.049**, and if you desaturate by 10%, it is **33, 25.465, 251.709**.

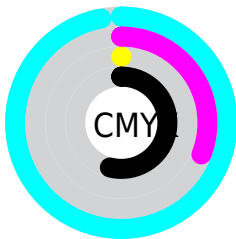
Distribution



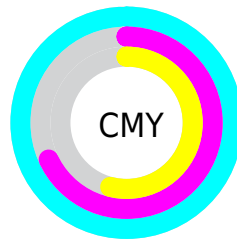
- Red (1%)
- Green (31%)
- Blue (45%)



- Red (1%)
- Yellow (19%)
- Blue (45%)



- Cyan (97%)
- Magenta (31%)
- Yellow (0%)
- Black (54%)




- Cyan (99%)
- Magenta (68%)
- Yellow (54%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 32, 27.197, 256.000 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, 27.197, 256.000 by changing the saturation by 10% instead.


 32, 27.197,
256.000


 32, 27.197,
256.000

 100, 27.197,
256.000

 22, 27.197,
256.000

 52, 27.197,
256.000


 12, 27.197,
256.000


 62, 27.197,
256.000

 2, 27.197, 256.000

 72, 27.197,
256.000

 0, 27.197, 256.000

 82, 27.197,
256.000

 92, 27.197,
256.000

■ 32, 27.197,
256.000

■ 32, 27.197,
256.000

■ 32, 27.664,
257.049

■ 33, 25.465,
251.709

■ 35, 23.598,
247.819

■ 36, 21.465,
244.542

■ 38, 19.031,
241.837

■ 40, 16.292,
239.634

■ 42, 13.267,
237.855

■ 44, 9.987, 236.427

■ 46, 6.493, 235.292

Harmonies

Complementary

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



32, 27.197, 256.000



27, 49.627, 49.100

Rectangle

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



32, 27.197, 256.000



32, 27.197, 306.000



32, 27.197, 76.000



32, 27.197, 126.000

Sweetspot

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



32, 27.196, 256.001



55, 12.956, 236.728



42, 56.577, 142.975



28, 8.878, 237.205



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, 27.196, 256.001



41, 33.719, 258.436



15, 62.836, 301.354



24, 2.146, 234.549



33, 28.749, 257.345



66, 50.156, 260.390

Inverse Universe

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



25, 51.168, 344.837



33, 61.781, 345.827



41, 47.740, 90.223



23, 3.807, 335.566



26, 53.396, 345.377



55, 89.589, 346.663

Previews

White Background



This preview shows how the CIE LCh color 32, 27.197, 256.000 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, 27.197, 256.000 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

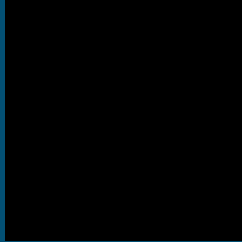
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 27.197, 256.000

Background



This preview shows how black text looks on a background with the CIELCh color 32, 27.197, 256.000.



This preview shows how white text looks on a background with the CIELCh color 32, 27.197, 256.000.

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, 27.156, 256.141

Protanopia

32, 23.574, 285.077

Deuteranopia

32, 27.689, 280.569



Tritanopia
32, 21.626, 206.870

Trichromacy



Original Color
32, 27.156, 256.141

Protanomaly
31, 25.080, 269.650

Deuteranomaly
32, 27.187, 268.963

Tritanomaly
32, 21.835, 227.038

Monochromacy



Original Color
32, 27.156, 256.141

Achromatopsia
26, 0.004, 296.813

Achromatomaly
27, 12.847, 239.732

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 27.197, 256.000 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(3, 80, 116)` looks like.

```
.text, #text, p{  
    color:rgb(3, 80, 116)  
}
```

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(3, 80, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 80, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 27.197, 256.000 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(3, 80, 116) }
```

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

```
.border{ border-color:rgb(3, 80, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 80, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 80, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 80, 116);  
box-shadow:4px 4px 4px 4px rgb(3, 80, 116)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 27.197, 256.000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 80, 116) }
```

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

```
.background{ background-color: rgb(3, 80,  
116) }
```

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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