

Converting Colors

CIELCh(28, 44.191, 217.090)

Have a look what the booklet for
CIELCh(28, 44.191, 217.090)
contains.

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Color

CIELCh(32, 23.399, 240.783)

Conversions

Conversions Part 1

Format	Color
Hex	02526B
RGB	2, 82, 107
RGB Percent	1%, 32%, 42%
CMY	0.9924, 0.6790, 0.5808
CMYK	0.98, 0.23, 0.00, 0.58
HSL	194°, 96%, 21%
HSV	194°, 98%, 42%
XYZ	5.6794, 7.0852, 14.9509
YIQ	60.9300, -55.7050, -9.1850

Conversions

Conversions Part 2

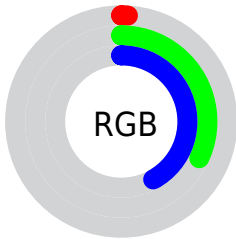
Format	Color
R_{YB}	2, 47, 107
Decimal	152171
CIE _{Lab}	32.00, -11.42, -20.42
CIE _{LCh}	32, 23.399, 240.783
Yxy	7.0852, 0.2049, 0.2556
Android (android.graphics.Color)	4278342251 (0xFF02526B)
YUV	60.9300, 22.7125, -51.6816
Hunter-Lab	26.6180, -8.4954, -14.6696

Details

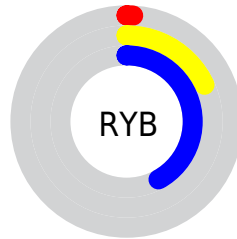
The CIELCh color **32, 23.399, 240.783** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **23, 48.003, 44.358**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **52, 23.245, 240.936**, and **14, 18.487, 262.234** is the 20% darker color. If you saturate the color by 10%, you get **32, 23.594, 241.386**, and if you desaturate by 10%, it is **33, 22.371, 237.310**.

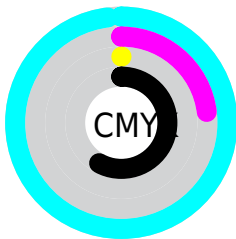
Distribution



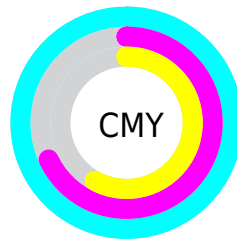
- Red (1%)
- Green (32%)
- Blue (42%)



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



- Cyan (98%)
- Magenta (23%)
- Yellow (0%)
- Black (58%)





- Cyan (99%)
- Magenta (68%)
- Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 23.399, 240.783 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, 23.399, 240.783 by changing the saturation by 10% instead.


 32, 23.399,
240.783


 32, 23.399,
240.783

 100, 23.399,
240.783


 22, 23.399,
240.783

 52, 23.399,
240.783

 12, 23.399,
240.783


 62, 23.399,
240.783

 2, 23.399, 240.783

 72, 23.399,
240.783

 0, 23.399, 240.783

 82, 23.399,
240.783

 92, 23.399,
240.783

■ 32, 23.399,
240.783

■ 32, 23.399,
240.783

■ 32, 23.594,
241.386

■ 33, 22.371,
237.310

■ 34, 21.144,
234.186

■ 35, 19.553,
231.636

■ 37, 17.583,
229.591

■ 38, 15.243,
227.974

■ 39, 12.566,
226.712

■ 41, 9.592, 225.740

■ 42, 6.367, 225.008

Harmonies

Complementary

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



32, 23.399, 240.783



23, 48.003, 44.358

Rectangle

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



32, 23.399, 240.783



32, 23.399, 290.783



32, 23.399, 60.783



32, 23.399, 110.783

Sweetspot

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



32, 23.398, 240.783



52, 12.088, 225.877



39, 56.421, 140.524



25, 8.149, 226.165



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



32, 23.398, 240.783



41, 28.440, 242.672



15, 53.037, 297.763



21, 2.014, 224.532



35, 25.255, 241.889



71, 44.017, 244.742

Inverse Universe

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



23, 50.852, 339.649



30, 61.099, 340.232



35, 43.581, 83.333



21, 3.731, 332.422



25, 54.578, 339.993



55, 93.016, 340.877

Previews

White Background



This preview shows how the CIELCh color 32, 23.399, 240.783 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, 23.399, 240.783 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

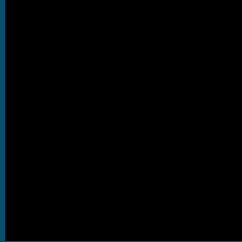
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

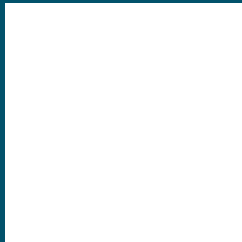
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 32, 23.399, 240.783

Background



This preview shows how black text looks on a background with the CIELCh color 32, 23.399, 240.783.



This preview shows how white text looks on a background with the CIELCh color 32, 23.399, 240.783.

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, 23.400, 240.672

Protanopia

32, 17.189, 285.764

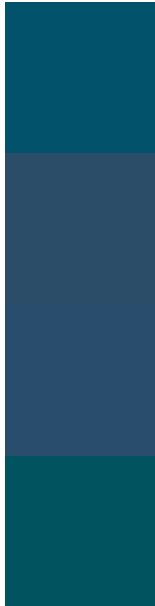
Deuteranopia

32, 21.733, 282.892



Tritanopia
32, 21.626, 206.870

Trichromacy



Original Color
32, 23.400, 240.672

Protanomaly
31, 19.156, 258.935

Deuteranomaly
31, 21.984, 263.165

Tritanomaly
32, 21.387, 219.884

Monochromacy



Original Color
32, 23.400, 240.672

Achromatopsia
26, 0.004, 296.813

Achromatomaly
27, 11.953, 227.513

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 23.399, 240.783 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, 82, 107)` looks like.

```
.text, #text, p{  
    color:rgb(2, 82, 107)  
}
```

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, 82, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 82, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 23.399, 240.783 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, 82, 107) }
```

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

```
.border{ border-color:rgb(2, 82, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 82, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 82, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 82, 107);  
box-shadow:4px 4px 4px 4px rgb(2, 82, 107)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 23.399, 240.783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 82, 107) }
```

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

```
.background{ background-color: rgb(2, 82,  
107) }
```

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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