

Converting Colors

CIELCh(32, 51.195, 285.855)

Have a look what the booklet for
CIELCh(32, 51.195, 285.855)
contains.

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Color

CIELCh(32, 51.415, 285.971)

Conversions

Conversions Part 1

Format	Color
Hex	02499A
RGB	2, 73, 154
RGB Percent	1%, 29%, 60%
CMY	0.9940, 0.7142, 0.3967
CMYK	0.99, 0.53, 0.00, 0.40
HSL	212°, 98%, 30%
HSV	212°, 99%, 60%
XYZ	8.2122, 7.0852, 31.4381
YIQ	61.0050, -68.3170, 10.1390

Conversions

Conversions Part 2

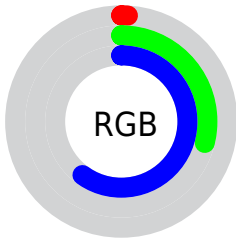
Format	Color
R_{YB}	2, 50, 154
Decimal	149914
CIE _{Lab}	32.00, 14.15, -49.43
CIE _{LCh}	32, 51.415, 285.971
Yxy	7.0852, 0.1757, 0.1516
Android (android.graphics.Color)	4278339994 (0xFF02499A)
YUV	61.0050, 45.8465, -51.7474
Hunter-Lab	26.6180, 8.4898, -51.3940

Details

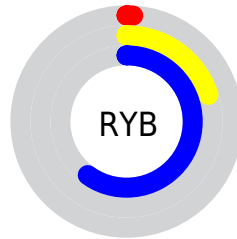
The CIELCh color **32, 51.415, 285.971** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **43, 57.177, 64.016**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **52, 51.290, 285.846**, and **15, 49.257, 296.132** is the 20% darker color. If you saturate the color by 10%, you get **32, 51.958, 286.355**, and if you desaturate by 10%, it is **35, 46.069, 281.799**.

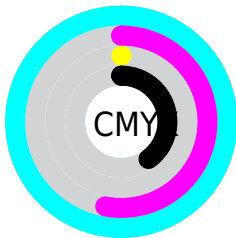
Distribution



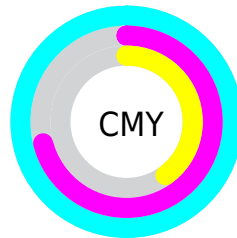
- Red (1%)
- Green (29%)
- Blue (60%)



- Red (1%)
- Yellow (20%)
- Blue (60%)



- Cyan (99%)
- Magenta (53%)
- Yellow (0%)
- Black (40%)





- Cyan (99%)
- Magenta (71%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 51.415, 285.971 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, 51.415, 285.971 by changing the saturation by 10% instead.


 32, 51.415,
285.971


 32, 51.415,
285.971


 100, 51.415,
285.971


 22, 51.415,
285.971

 52, 51.415,
285.971


 12, 51.415,
285.971


 62, 51.415,
285.971

 2, 51.415, 285.971

 72, 51.415,
285.971

 0, 51.415, 285.971

 82, 51.415,
285.971

 92, 51.415,
285.971

■ 32, 51.415,
285.971

■ 32, 51.415,
285.971

■ 32, 51.958,
286.355

■ 35, 46.069,
281.799

■ 38, 40.885,
277.692

■ 41, 35.787,
273.937

■ 44, 30.716,
270.615

■ 47, 25.623,
267.741

■ 50, 20.484,
265.288

■ 54, 15.291,
263.208

■ 57, 10.052,

261.451

■ 60, 4.777, 259.982

Harmonies

Complementary

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



32, 51.415, 285.971



43, 57.177, 64.016

Rectangle

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



32, 51.415, 285.971



32, 51.415, 335.971



32, 51.415, 105.971



32, 51.415, 155.971

Sweetspot

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



32, 51.415, 285.973



68, 19.484, 263.511



56, 59.216, 150.551



34, 13.239, 264.291



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



32, 51.415, 285.973



41, 64.097, 287.256



17, 91.118, 306.237



31, 2.982, 260.010



29, 48.163, 285.970



1, 3.252, 259.576

Inverse Universe

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



33, 57.767, 3.932



43, 70.040, 5.288



61, 66.250, 103.887



30, 4.098, 346.112



29, 54.180, 3.908



1, 4.354, 345.830

Previews

White Background



This preview shows how the CIELCh color 32, 51.415, 285.971 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, 51.415, 285.971 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

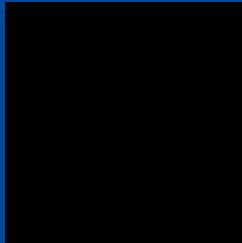
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 51.415, 285.971

Background



This preview shows how black text looks on a background with the CIELCh color 32, 51.415, 285.971.



This preview shows how white text looks on a background with the CIELCh color 32, 51.415, 285.971.

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, 51.415, 285.971

Protanopia

32, 51.309, 286.646

Deuteranopia

32, 37.609, 274.276



Tritanopia
32, 21.700, 205.080

Trichromacy



Original Color
32, 51.415, 285.971

Protanomaly
32, 51.348, 286.392

Deuteranomaly
32, 42.665, 279.715

Tritanomaly
32, 26.007, 252.342

Monochromacy



Original Color
32, 51.415, 285.971

Achromatopsia
26, 0.004, 296.813

Achromatomaly
27, 20.798, 270.140

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 51.415, 285.971 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, 73, 154)` looks like.

```
.text, #text, p{  
    color:rgb(2, 73, 154)  
}
```

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, 73, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 73, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 51.415, 285.971 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, 73, 154) }
```

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

```
.border{ border-color:rgb(2, 73, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 73, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 73, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 73, 154);  
box-shadow:4px 4px 4px 4px rgb(2, 73, 154)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 51.415, 285.971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 73, 154) }
```

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

```
.background{ background-color: rgb(2, 73,  
154) }
```

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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