

Converting Colors

CIELCh(29, 38.252, 252.211)

Have a look what the booklet for
CIELCh(29, 38.252, 252.211)
contains.

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Color

CIELCh(31, 32.829, 268.213)

Conversions

Conversions Part 1

Format	Color
Hex	004C7C
RGB	0, 76, 124
RGB Percent	0%, 30%, 49%
CMY	1.0000, 0.7009, 0.5130
CMYK	1.00, 0.39, 0.00, 0.51
HSL	203°, 100%, 24%
HSV	203°, 100%, 49%
XYZ	6.2267, 6.6515, 20.0836
YIQ	58.7480, -60.7040, -1.1840

Conversions

Conversions Part 2

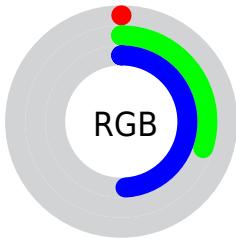
Format	Color
RYB	0, 47, 124
Decimal	19580
CIELab	31.00, -1.02, -32.81
CIElCh	31, 32.829, 268.213
Yxy	6.6515, 0.1889, 0.2018
Android (android.graphics.Color)	4278209660 (0xFF004C7C)
YUV	58.7480, 32.1692, -51.5220
Hunter-Lab	25.7905, -2.0375, -28.1169

Details

The CIELCh color **31, 32.829, 268.213** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **30, 52.124, 53.374**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 33.083, 269.128**, and **13, 30.271, 284.808** is the 20% darker color. If you saturate the color by 10%, you get **31, 32.775, 268.452**, and if you desaturate by 10%, it is **33, 30.151, 264.017**.

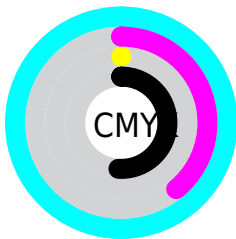
Distribution



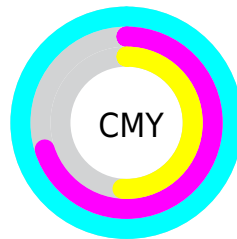
- Red (0%)
- Green (30%)
- Blue (49%)



- Red (0%)
- Yellow (18%)
- Blue (49%)



- Cyan (100%)
- Magenta (39%)
- Yellow (0%)
- Black (51%)





- Cyan (100%)
- Magenta (70%)
- Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 32.829, 268.213 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 31, 32.829, 268.213 by changing the saturation by 10% instead.


 31, 32.829,
268.213


 31, 32.829,
268.213

 100, 32.829,
268.213


 21, 32.829,
268.213

 51, 32.829,
268.213


 11, 32.829,
268.213


 61, 32.829,
268.213

 1, 32.829, 268.213

 71, 32.829,
268.213

 0, 32.829, 268.213

 81, 32.829,
268.213

 91, 32.829,
268.213

■ 31, 32.829,
268.213

■ 31, 32.829,
268.213

■ 31, 32.775,
268.452

■ 33, 30.151,
264.017

■ 35, 27.553,
259.697

■ 37, 24.815,
255.923

■ 39, 21.879,
252.713

■ 41, 18.718,
250.030

■ 43, 15.331,
247.810

■ 45, 11.738,
245.985

■ 47, 7.965, 244.490

Harmonies

Complementary

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



31, 32.829, 268.213



30, 52.124, 53.374

Rectangle

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



31, 32.829, 268.213



31, 32.829, 318.213



31, 32.829, 88.213



31, 32.829, 138.213

Sweetspot

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



31, 32.775, 268.452



57, 14.471, 246.103



45, 57.312, 144.809



29, 9.881, 246.706



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



31, 32.775, 268.452



40, 40.219, 269.761



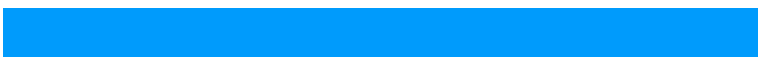
14, 72.360, 303.980



25, 2.254, 243.188



31, 32.936, 268.487



62, 57.693, 271.414

Inverse Universe

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



26, 51.952, 350.616



35, 62.385, 351.351



46, 52.583, 95.024



24, 3.758, 338.582



26, 52.177, 350.635



55, 86.990, 352.324

Previews

White Background



This preview shows how the CIELCh color 31, 32.829, 268.213 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 31, 32.829, 268.213 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

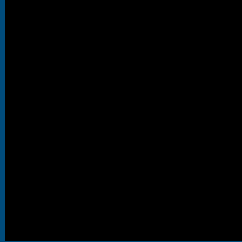
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 32.829, 268.213

Background



This preview shows how black text looks on a background with the CIELCh color 31, 32.829, 268.213.



This preview shows how white text looks on a background with the CIELCh color 31, 32.829, 268.213.

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

31, 32.813, 268.620

Protanopia

31, 30.693, 285.127

Deuteranopia

31, 33.230, 278.208



Tritanopia
31, 21.337, 205.266

Trichromacy



Original Color
31, 32.813, 268.620

Protanomaly
31, 31.603, 275.877

Deuteranomaly
31, 33.206, 273.774

Tritanomaly
31, 22.228, 234.787

Monochromacy



Original Color
31, 32.813, 268.620

Achromatopsia
25, 0.004, 296.813

Achromatomaly
26, 14.681, 252.366

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 32.829, 268.213 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, 76, 124)` looks like.

```
.text, #text, p{  
    color:rgb(0, 76, 124)  
}
```

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, 76, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 76, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 32.829, 268.213 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, 76, 124) }
```

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

```
.border{ border-color:rgb(0, 76, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 76, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 76, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 76, 124);  
box-shadow:4px 4px 4px 4px rgb(0, 76, 124)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 32.829, 268.213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 76, 124) }
```

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

```
.background{ background-color: rgb(0, 76,  
124) }
```

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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