

Converting Colors

CIELCh(29, 32.438, 261.653)

Have a look what the booklet for
CIELCh(29, 32.438, 261.653)
contains.

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Color

CIELCh(30, 31.210, 267.487)

Conversions

Conversions Part 1

Format	Color
Hex	024A77
RGB	2, 74, 119
RGB Percent	1%, 29%, 47%
CMY	0.9906, 0.7101, 0.5332
CMYK	0.98, 0.38, 0.00, 0.53
HSL	203°, 96%, 24%
HSV	203°, 98%, 47%
XYZ	5.8052, 6.2359, 18.3587
YIQ	57.6020, -57.3570, -1.2690

Conversions

Conversions Part 2

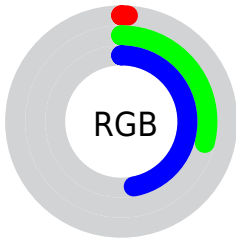
Format	Color
R _Y B	2, 47, 119
Decimal	150135
CIE Lab	30.00, -1.37, -31.18
CIE LCh	30, 31.210, 267.487
Yxy	6.2359, 0.1910, 0.2051
Android (android.graphics.Color)	4278340215 (0xFF024A77)
YUV	57.6020, 30.2692, -48.7630
Hunter-Lab	24.9718, -2.2049, -26.1085

Details

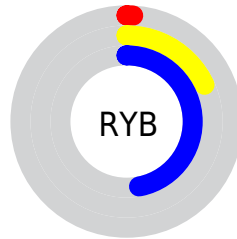
The CIELCh color **30, 31.210, 267.487** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **29, 49.298, 53.628**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 31.562, 267.877**, and **12, 28.433, 284.009** is the 20% darker color. If you saturate the color by 10%, you get **30, 31.739, 268.319**, and if you desaturate by 10%, it is **32, 28.688, 263.050**.

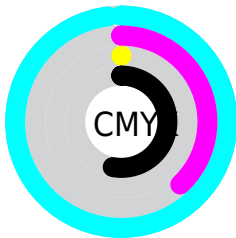
Distribution



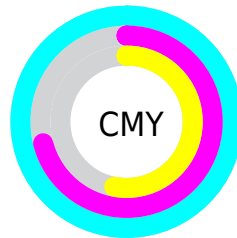
- Red (1%)
- Green (29%)
- Blue (47%)



- Red (1%)
- Yellow (18%)
- Blue (47%)



- Cyan (98%)
- Magenta (38%)
- Yellow (0%)
- Black (53%)



- Cyan (99%)
- Magenta (71%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 30, 31.210, 267.487 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 30, 31.210, 267.487 by changing the saturation by 10% instead.

■ 30, 31.210,
267.487

■ 30, 31.210,
267.487

■ 100, 31.210,
267.487

■ 20, 31.210,
267.487

■ 50, 31.210,
267.487

■ 10, 31.210,
267.487

■ 60, 31.210,
267.487

■ 0, 31.210, 267.487

■ 70, 31.210,
267.487

■ 80, 31.210,
267.487

■ 90, 31.210,
267.487

■ 30, 31.210,
267.487

■ 30, 31.210,
267.487

■ 30, 31.739,
268.319

■ 32, 28.688,
263.050

■ 33, 26.145,
258.872

■ 35, 23.454,
255.245

■ 37, 20.564,
252.171

■ 39, 17.457,
249.607

■ 42, 14.136,
247.486

■ 44, 10.623,
245.742

■ 46, 6.945, 244.314

Harmonies

Complementary

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



30, 31.210, 267.487



29, 49.298, 53.628

Rectangle

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



30, 31.210, 267.487



30, 31.210, 317.487



30, 31.210, 87.487



30, 31.210, 137.487

Sweetspot

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



30, 31.209, 267.488



56, 13.660, 246.023



43, 54.733, 145.259



28, 9.382, 246.613



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



30, 31.209, 267.488



39, 39.259, 269.727



14, 68.821, 303.565



23, 2.176, 243.278



31, 32.450, 268.483



61, 57.319, 271.497

Inverse Universe

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



25, 50.109, 350.105



34, 60.930, 351.331



44, 50.517, 95.232



23, 3.624, 338.613



26, 51.411, 350.633



55, 86.300, 352.374

Previews

White Background



This preview shows how the CIELCh color 30, 31.210, 267.487 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 30, 31.210, 267.487 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

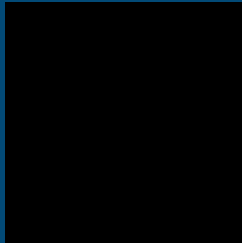
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 31.210, 267.487

Background



This preview shows how black text looks on a background with the CIELCh color 30, 31.210, 267.487.



This preview shows how white text looks on a background with the CIELCh color 30, 31.210, 267.487.

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
30, 31.173, 267.325

Protanopia
30, 29.582, 285.722

Deuteranopia
30, 31.457, 277.903



Tritanopia
30, 20.789, 205.560

Trichromacy



Original Color
30, 31.173, 267.325

Protanomaly
30, 29.822, 275.931

Deuteranomaly
30, 31.495, 272.931

Tritanomaly
30, 21.509, 234.373

Monochromacy



Original Color
30, 31.173, 267.325

Achromatopsia
24, 0.004, 296.813

Achromatomaly
26, 13.632, 249.278

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 31.210, 267.487 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, 74, 119)` looks like.

```
.text, #text, p{  
    color:rgb(2, 74, 119)  
}
```

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, 74, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 74, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 31.210, 267.487 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, 74, 119) }
```

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

```
.border{ border-color:rgb(2, 74, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 74, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 74, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 74, 119);  
box-shadow:4px 4px 4px 4px rgb(2, 74, 119)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 31.210, 267.487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 74, 119) }
```

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

```
.background{ background-color: rgb(2, 74,  
119) }
```

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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