

Converting Colors

CIELCh(30, 19.129, 252.023)

Have a look what the booklet for
CIELCh(30, 19.129, 252.023)
contains.

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Color

CIELCh(30, 19.190, 252.062)

Conversions

Conversions Part 1

Format	Color
Hex	234B63
RGB	35, 75, 99
RGB Percent	14%, 29%, 39%
CMY	0.8641, 0.7071, 0.6130
CMYK	0.65, 0.24, 0.00, 0.61
HSL	202°, 48%, 26%
HSV	202°, 65%, 39%
XYZ	5.4127, 6.2359, 12.6411
YIQ	65.7760, -31.5440, -1.0160

Conversions

Conversions Part 2

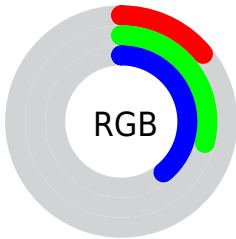
Format	Color
R _Y B	35, 60, 99
Decimal	2313059
CIE Lab	30.00, -5.91, -18.26
CIE LCh	30, 19.190, 252.062
Yxy	6.2359, 0.2228, 0.2567
Android (android.graphics.Color)	4280503139 (0xFF234B63)
YUV	65.7760, 16.3794, -26.9906
Hunter-Lab	24.9718, -5.0106, -12.5333

Details

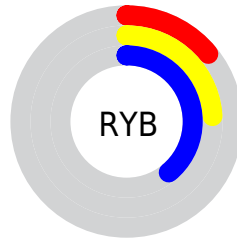
The CIELCh color **30, 19.190, 252.062** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **29, 26.787, 55.714**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 19.240, 251.251**, and **11, 17.115, 263.564** is the 20% darker color. If you saturate the color by 10%, you get **28, 21.489, 255.325**, and if you desaturate by 10%, it is **32, 16.698, 249.319**.

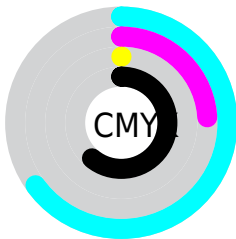
Distribution



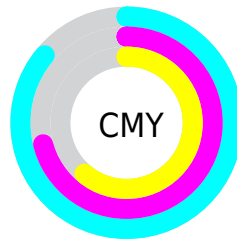
- Red (14%)
- Green (29%)
- Blue (39%)



- Red (14%)
- Yellow (24%)
- Blue (39%)



- Cyan (65%)
- Magenta (24%)
- Yellow (0%)
- Black (61%)





- Cyan (86%)
- Magenta (71%)
- Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 19.190, 252.062 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, 19.190, 252.062 by changing the saturation by 10% instead.


 30, 19.190,
252.062


 30, 19.190,
252.062

 100, 19.190,
252.062


 20, 19.190,
252.062


 50, 19.190,
252.062


 10, 19.190,
252.062

 60, 19.190,
252.062

 0, 19.190, 252.062

 70, 19.190,
252.062

 80, 19.190,
252.062

 90, 19.190,
252.062

■ 30, 19.190,
252.062

■ 30, 19.190,
252.062

■ 28, 21.489,
255.325

■ 32, 16.698,
249.319

■ 27, 23.624,
259.136

■ 33, 14.011,
247.041

■ 25, 25.679,
263.327

■ 35, 11.139,
245.161

■ 25, 26.777,
265.302

■ 37, 8.104, 243.616

■ 39, 4.930, 242.357

■ 41, 1.644, 241.409

■ 43, 1.731, 60.201

■ 45, 5.172, 59.573

■ 47, 8.663, 58.978

Harmonies

Complementary

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



30, 19.190, 252.062



29, 26.787, 55.714

Rectangle

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



30, 19.190, 252.062



30, 19.190, 302.062



30, 19.190, 72.062



30, 19.190, 122.062

Sweetspot

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



30, 19.189, 252.062



49, 7.708, 242.911



37, 35.064, 150.661



24, 5.241, 243.163



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



30, 19.189, 252.062



36, 27.180, 257.302



20, 37.525, 294.665



19, 1.846, 241.731



28, 29.619, 266.159



60, 54.096, 269.594

Inverse Universe

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



25, 35.262, 343.174



30, 48.883, 345.347



38, 32.763, 97.419



18, 3.111, 338.028



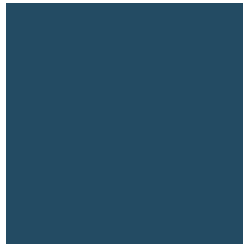
23, 48.691, 349.397



53, 84.144, 351.255

Previews

White Background



This preview shows how the CIELCh color 30, 19.190, 252.062 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, 19.190, 252.062 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

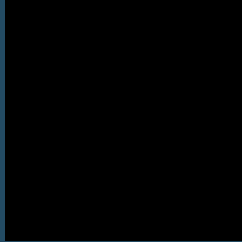
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 19.190, 252.062

Background



This preview shows how black text looks on a background with the CIELCh color 30, 19.190, 252.062.



This preview shows how white text looks on a background with the CIELCh color 30, 19.190, 252.062.

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

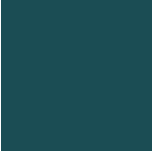
30, 19.190, 252.062

Protanopia

30, 16.130, 283.789

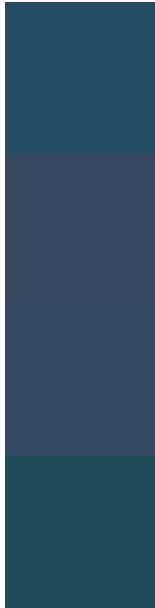
Deuteranopia

30, 19.391, 283.065



Tritanopia
30, 16.775, 212.873

Trichromacy



Original Color
30, 19.190, 252.062

Protanomaly
30, 16.473, 268.820

Deuteranomaly
30, 18.951, 271.148

Tritanomaly
30, 16.645, 227.930

Monochromacy



Original Color
30, 19.190, 252.062

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 7.776, 240.630

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 19.190, 252.062 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(35, 75, 99)` looks like.

```
.text, #text, p{  
    color:rgb(35, 75, 99)  
}
```

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(35, 75, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 75, 99) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 19.190, 252.062 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(35, 75, 99) }
```

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

```
.border{ border-color:rgb(35, 75, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 75, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 75, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 75, 99);  
box-shadow:4px 4px 4px 4px rgb(35, 75, 99)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 19.190, 252.062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 75, 99) }
```

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

```
.background{ background-color: rgb(35, 75,  
99) }
```

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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