

Converting Colors

CIELCh(19, 14.395, 246.690)

Have a look what the booklet for
CIELCh(19, 14.395, 246.690)
contains.

CIELCh(19, 14.509, 247.869)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(19, 14.509, 247.869)

Conversions

Conversions Part 1

Format	Color
Hex	123141
RGB	18, 49, 65
RGB Percent	7%, 19%, 25%
CMY	0.9277, 0.8064, 0.7436
CMYK	0.72, 0.24, 0.00, 0.74
HSL	200°, 56%, 16%
HSV	200°, 72%, 26%
XYZ	2.3372, 2.7468, 5.4673
YIQ	41.5550, -23.6120, -1.5960

Conversions

Conversions Part 2

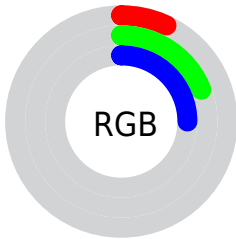
Format	Color
RYB	18, 37, 65
Decimal	1192257
CIELab	19.00, -5.47, -13.44
CIELCh	19, 14.509, 247.869
Yxy	2.7468, 0.2215, 0.2603
Android (android.graphics.Color)	4279382337 (0xFF123141)
YUV	41.5550, 11.5584, -20.6577
Hunter-Lab	16.5735, -3.8321, -7.9572

Details

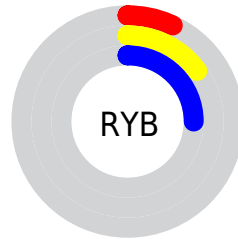
The CIELCh color **19, 14.509, 247.869** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **17, 21.386, 52.453**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 14.484, 248.599**, and **1, 10.980, 288.731** is the 20% darker color. If you saturate the color by 10%, you get **18, 15.958, 250.931**, and if you desaturate by 10%, it is **20, 12.905, 245.287**.

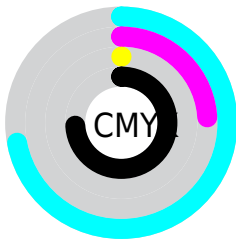
Distribution



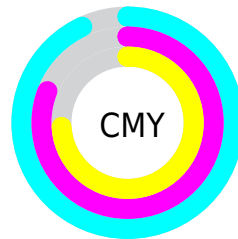
- Red (7%)
- Green (19%)
- Blue (25%)



- Red (7%)
- Yellow (15%)
- Blue (25%)



- Cyan (72%)
- Magenta (24%)
- Yellow (0%)
- Black (74%)



- Cyan (93%)
- Magenta (81%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 14.509, 247.869 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 19, 14.509, 247.869 by changing the saturation by 10% instead.

■ 19, 14.509,
247.869

■ 19, 14.509,
247.869

■ 100, 14.509,
247.869

■ 9, 14.509, 247.869

■ 39, 14.509,
247.869

■ 0, 14.509, 247.869

■ 49, 14.509,
247.869

■ 59, 14.509,
247.869


■ 69, 14.509,
247.869

■ 79, 14.509,
247.869


■ 89, 14.509,


247.869


 99, 14.509,
247.869


 19, 14.509,
247.869


 19, 14.509,
247.869

 18, 15.958,
250.931

 20, 12.905,
245.287

 17, 17.328,
254.223

 21, 11.144,
243.135

 16, 18.518,
256.545

 22, 9.234, 241.354

 24, 7.189, 239.886

 25, 5.028, 238.684

 26, 2.768, 237.716

■ 27, 0.428, 237.318

■ 29, 1.976, 56.010

■ 30, 4.429, 55.498

Harmonies

Complementary

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



19, 14.509, 247.869



17, 21.386, 52.453

Rectangle

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



19, 14.509, 247.869



19, 14.509, 297.869



19, 14.509, 67.869



19, 14.509, 117.869

Sweetspot

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



19, 14.509, 247.869



32, 6.249, 238.806



24, 28.176, 148.944



15, 4.228, 238.913



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



19, 14.509, 247.869



23, 20.126, 253.649



11, 28.411, 293.780



12, 1.328, 237.458



25, 24.945, 259.881



59, 48.104, 264.116

Inverse Universe

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



14, 28.029, 341.665



18, 38.090, 343.898



24, 24.980, 95.043



12, 2.304, 336.486



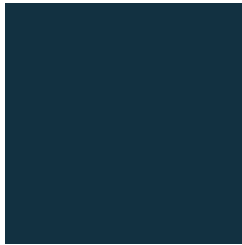
20, 44.859, 346.441



50, 81.551, 348.379

Previews

White Background



This preview shows how the CIE LCh color 19, 14.509, 247.869 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 19, 14.509, 247.869 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

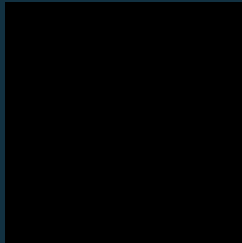
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 14.509, 247.869

Background



This preview shows how black text looks on a background with the CIELCh color 19, 14.509, 247.869.



This preview shows how white text looks on a background with the CIELCh color 19, 14.509, 247.869.

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

19, 14.509, 247.869

Protanopia

19, 11.083, 282.281

Deuteranopia

19, 13.860, 282.185



Tritanopia
19, 13.821, 208.535

Trichromacy



Original Color
19, 14.509, 247.869

Protanomaly
19, 11.973, 266.277

Deuteranomaly
19, 13.886, 269.799

Tritanomaly
19, 13.414, 225.134

Monochromacy



Original Color
19, 14.509, 247.869

Achromatopsia
17, 0.003, 296.813

Achromatomaly
18, 6.438, 239.055

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 14.509, 247.869 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(18, 49, 65)` looks like.

```
.text, #text, p{  
    color:rgb(18, 49, 65)  
}
```

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(18, 49, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 49, 65) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 14.509, 247.869 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(18, 49, 65) }
```

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

```
.border{ border-color:rgb(18, 49, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 49, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 49, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 49, 65);  
box-shadow:4px 4px 4px 4px rgb(18, 49, 65)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 14.509, 247.869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 49, 65) }
```

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

```
.background{ background-color: rgb(18, 49,  
65) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor