

Converting Colors

CIELCh(24, 41.714, 199.137)

Have a look what the booklet for
CIELCh(24, 41.714, 199.137)
contains.

CIELCh(27, 19.253, 208.523)	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>	26

Color

CIELCh(27, 19.253, 208.523)

Conversions

Conversions Part 1

Format	Color
Hex	01474D
RGB	1, 71, 77
RGB Percent	0%, 28%, 30%
CMY	0.9979, 0.7202, 0.6967
CMYK	0.99, 0.08, 0.00, 0.70
HSL	185°, 99%, 15%
HSV	185°, 99%, 30%
XYZ	3.6331, 5.0937, 7.8758
YIQ	50.7540, -43.6460, -12.9740

Conversions

Conversions Part 2

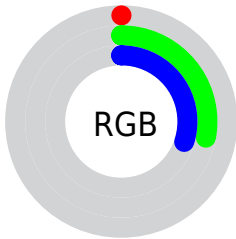
Format	Color
R_{YB}	1, 37, 77
Decimal	83789
CIE _{Lab}	27.00, -16.92, -9.19
CIE _{LCh}	27, 19.253, 208.523
Yxy	5.0937, 0.2188, 0.3068
Android (android.graphics.Color)	4278273869 (0xFF01474D)
YUV	50.7540, 12.9393, -43.6343
Hunter-Lab	22.5692, -10.7619, -4.8917

Details

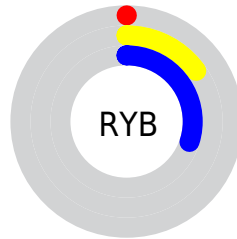
The CIELCh color **27, 19.253, 208.523** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **14, 38.061, 34.507**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 19.215, 208.218**, and **8, 10.621, 218.487** is the 20% darker color. If you saturate the color by 10%, you get **27, 19.305, 208.569**, and if you desaturate by 10%, it is **27, 18.519, 207.812**.

Distribution



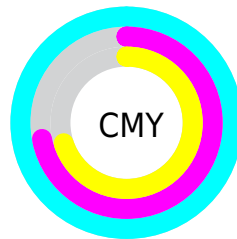
- Red (0%)
- Green (28%)
- Blue (30%)



- Red (0%)
- Yellow (15%)
- Blue (30%)



- Cyan (99%)
- Magenta (8%)
- Yellow (0%)
- Black (70%)





- Cyan (100%)
- Magenta (72%)
- Yellow (70%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 19.253, 208.523 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 27, 19.253, 208.523 by changing the saturation by 10% instead.

 27, 19.253,
208.523


 27, 19.253,
208.523

 100, 19.253,
208.523


 17, 19.253,
208.523


 47, 19.253,
208.523


 7, 19.253, 208.523

 57, 19.253,
208.523

 0, 19.253, 208.523

 67, 19.253,
208.523

 77, 19.253,
208.523

 87, 19.253,
208.523

 97, 19.253,

208.523

■ 27, 19.253,
208.523

■ 27, 19.253,
208.523

■ 27, 19.305,
208.569

■ 27, 18.519,
207.812

■ 28, 17.699,
207.107

■ 28, 16.522,
206.583

■ 29, 14.981,
206.227

■ 29, 13.096,
206.019

■ 30, 10.899,
205.937

■ 31, 8.429, 205.965

■ 31, 5.725, 206.089

■ 32, 2.830, 206.321

Harmonies

Complementary

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



27, 19.253, 208.523



14, 38.061, 34.507

Rectangle

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



27, 19.253, 208.523



27, 19.253, 258.523



27, 19.253, 28.523



27, 19.253, 78.523

Sweetspot

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



27, 19.253, 208.522



39, 10.564, 205.953



28, 48.558, 137.498



19, 7.208, 205.941



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



27, 19.253, 208.522



35, 22.902, 209.045



14, 31.192, 285.415



15, 1.686, 206.343



36, 23.307, 209.088



78, 41.958, 210.105

Inverse Universe

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



16, 45.880, 331.258



22, 54.679, 331.400



22, 32.823, 68.809



14, 3.140, 327.034



22, 55.649, 331.410



53, 100.286, 331.660

Previews

White Background



This preview shows how the CIE LCh color 27, 19.253, 208.523 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 27, 19.253, 208.523 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

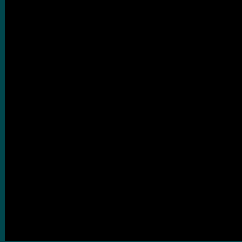
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 19.253, 208.523

Background



This preview shows how black text looks on a background with the CIELCh color 27, 19.253, 208.523.



This preview shows how white text looks on a background with the CIELCh color 27, 19.253, 208.523.

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

27, 19.137, 208.611

Protanopia

27, 5.214, 286.531

Deuteranopia

27, 10.422, 292.218

Trichromacy



Original Color
27, 19.137, 208.611

Protanomaly
27, 11.009, 222.688

Deuteranomaly
26, 12.062, 239.135

Monochromacy



Original Color
27, 19.137, 208.611

Achromatopsia
21, 0.004, 296.813

Achromatomaly
23, 9.988, 209.444

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 19.253, 208.523 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(1, 71, 77)` looks like.

```
.text, #text, p{  
    color:rgb(1, 71, 77)  
}
```

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(1, 71, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 71, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 19.253, 208.523 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(1, 71, 77) }
```

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

```
.border{ border-color:rgb(1, 71, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 71, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 71, 77); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 71, 77); box-shadow:4px  
4px 4px 4px rgb(1, 71, 77) }
```

Background

The CSS property to change the background color of an element to CIELCh 27, 19.253, 208.523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 71, 77) }
```

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

```
.background{ background-color: rgb(1, 71,  
77) }
```

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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