

Converting Colors

CIELCh(19, 24.648, 66.032)

Have a look what the booklet for
CIELCh(19, 24.648, 66.032) contains.

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Color

CIELCh(19, 24.541, 66.607)

Conversions

Conversions Part 1

Format	Color
Hex	43280C
RGB	67, 40, 12
RGB Percent	26%, 16%, 5%
CMY	0.7369, 0.8428, 0.9525
CMYK	0.00, 0.40, 0.82, 0.74
HSL	31°, 69%, 16%
HSV	31°, 82%, 26%
XYZ	3.1500, 2.7468, 0.7155
YIQ	44.8810, 25.0800, -2.9840

Conversions

Conversions Part 2

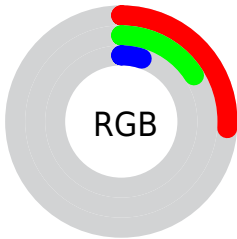
Format	Color
RYB	65, 67, 12
Decimal	4401164
CIELab	19.00, 9.74, 22.52
CIElCh	19, 24.541, 66.607
Yxy	2.7468, 0.4764, 0.4154
Android (android.graphics.Color)	4282591244 (0xFF43280C)
YUV	44.8810, -16.2103, 19.3984
Hunter-Lab	16.5735, 4.9225, 9.0417

Details

The CIELCh color **19, 24.541, 66.607** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **15, 20.636, 273.382**, and the grayscale version is **19, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 24.352, 65.915**, and **1, 3.677, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **18, 26.757, 64.415**, and if you desaturate by 10%, it is **20, 21.627, 68.221**.

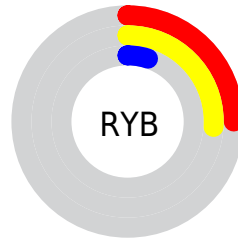
Distribution



Red (26%)

Green (16%)

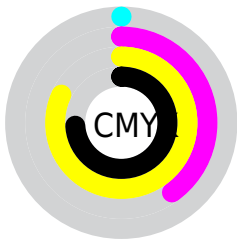
Blue (5%)



Red (25%)

Yellow (26%)

Blue (5%)

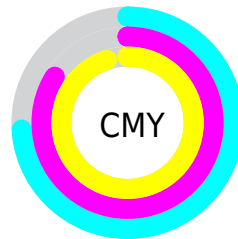


Cyan (0%)

Magenta (40%)

Yellow (82%)

Black (74%)



Cyan (74%)

Magenta (84%)

Yellow (95%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 24.541, 66.607 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, 24.541, 66.607 by changing the saturation by 10% instead.

 19, 24.541, 66.607

 19, 24.541, 66.607

 100, 24.541,
66.607

 9, 24.541, 66.607

 39, 24.541, 66.607

 0, 24.541, 66.607

 49, 24.541, 66.607

 59, 24.541, 66.607

 69, 24.541, 66.607

 79, 24.541, 66.607

 89, 24.541, 66.607

 99, 24.541, 66.607

■ 19, 24.541, 66.607

■ 19, 24.541, 66.607

■ 18, 26.757, 64.415

■ 20, 21.627, 68.221

■ 17, 28.525, 62.884

■ 21, 18.341, 69.416

■ 22, 15.104, 70.571

■ 23, 11.959, 71.709

■ 25, 8.926, 72.834

■ 26, 6.009, 73.943

■ 27, 3.206, 75.023

■ 28, 0.510, 75.834

■ 29, 2.087, 257.299

Harmonies

Complementary

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



19, 24.541, 66.607



15, 20.636, 273.382

Rectangle

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



19, 24.541, 66.607



19, 24.541, 116.607



19, 24.541, 246.607



19, 24.541, 296.607

Sweetspot

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



19, 24.541, 66.611



33, 8.540, 73.494



13, 28.852, 353.241



15, 5.750, 73.340



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, 24.541, 66.611



23, 36.134, 63.662



27, 32.153, 103.790



12, 1.467, 75.378



26, 40.621, 63.320



60, 77.311, 60.807

Inverse Universe

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



15, 20.636, 273.382



18, 30.410, 280.449



7, 40.364, 302.067



12, 1.445, 257.404



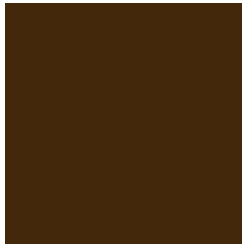
20, 34.022, 281.844



48, 67.590, 285.530

Previews

White Background



This preview shows how the CIE LCh color 19, 24.541, 66.607 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 19, 24.541, 66.607 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

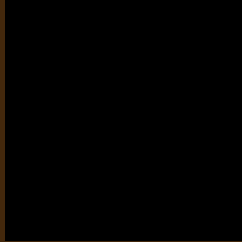
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 24.541, 66.607

Background



This preview shows how black text looks on a background with the CIELCh color 19, 24.541, 66.607.



This preview shows how white text looks on a background with the CIELCh color 19, 24.541, 66.607.

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, 24.541, 66.607

Protanopia

19, 21.526, 97.477

Deuteranopia

19, 23.332, 83.379



Tritanopia
19, 15.725, 16.109

Trichromacy



Original Color
19, 24.541, 66.607

Protanomaly
19, 21.596, 85.187

Deuteranomaly
19, 23.520, 77.628

Tritanomaly
19, 17.341, 40.745

Monochromacy



Original Color
19, 24.541, 66.607

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 8.689, 71.463

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 24.541, 66.607 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(67, 40, 12)` looks like.

```
.text, #text, p{  
    color:rgb(67, 40, 12)  
}
```

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(67, 40, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 40, 12) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 24.541, 66.607 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(67, 40, 12) }
```

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

```
.border{ border-color:rgb(67, 40, 12) }
```

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

Here you see how a box with a 4 pixel rgb(67, 40, 12) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 40, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 40, 12);  
box-shadow:4px 4px 4px 4px rgb(67, 40, 12)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 24.541, 66.607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 40, 12) }
```

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

```
.background{ background-color: rgb(67, 40,  
12) }
```

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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