

Converting Colors

CIELCh(19, 24.503, 108.257)

Have a look what the booklet for
CIELCh(19, 24.503, 108.257)
contains.

CIELCh(19, 24.653, 108.193)	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, 24.653, 108.193)

Conversions

Conversions Part 1

Format	Color
Hex	2E3108
RGB	46, 49, 8
RGB Percent	18%, 19%, 3%
CMY	0.8214, 0.8096, 0.9672
CMYK	0.06, 0.00, 0.83, 0.81
HSL	64°, 71%, 11%
HSV	64°, 83%, 19%
XYZ	2.2312, 2.7468, 0.6529
YIQ	43.4290, 11.3730, -13.3870

Conversions

Conversions Part 2

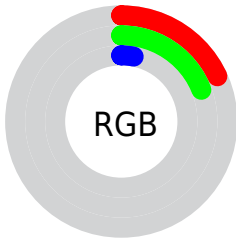
Format	Color
R_{YB}	8, 49, 11
Decimal	3027208
CIE Lab	19.00, -7.70, 23.42
CIE LCh	19, 24.653, 108.193
Yxy	2.7468, 0.3962, 0.4878
Android (android.graphics.Color)	4281217288 (0xFF2E3108)
YUV	43.4290, -17.4665, 2.2548
Hunter-Lab	16.5735, -4.9733, 9.2660

Details

The CIELCh color **19, 24.653, 108.193** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **4, 28.226, 298.488**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 25.008, 108.415**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **19, 26.613, 108.103**, and if you desaturate by 10%, it is **19, 22.576, 108.364**.

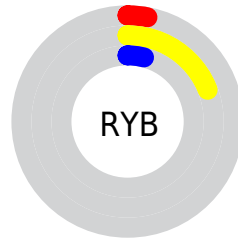
Distribution



Red (18%)

Green (19%)

Blue (3%)



Red (3%)

Yellow (19%)

Blue (4%)

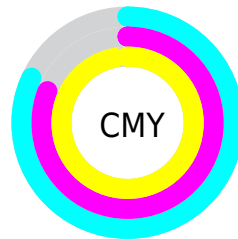


Cyan (6%)

Magenta (0%)

Yellow (83%)

Black (81%)



Cyan (82%)

Magenta (81%)

Yellow (97%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 24.653, 108.193 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, 24.653, 108.193 by changing the saturation by 10% instead.

 19, 24.653,
108.193

 19, 24.653,
108.193


 100, 24.653,
108.193


 9, 24.653, 108.193


 39, 24.653,
108.193

 0, 24.653, 108.193

 49, 24.653,
108.193


 59, 24.653,
108.193


 69, 24.653,
108.193


 79, 24.653,
108.193


 89, 24.653,

108.193


 99, 24.653,
108.193


 19, 24.653,
108.193

 19, 24.653,
108.193


 19, 26.613,
108.103


 19, 22.576,
108.364

 19, 28.033,
108.054

 19, 19.959,
108.808

 19, 17.004,
109.434

 19, 13.910,
110.105

 20, 10.725,
110.801

■ 20, 7.482, 111.509

■ 20, 4.205, 112.217

■ 20, 0.908, 112.906

■ 20, 2.396, 293.612

Harmonies

Complementary

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



19, 24.653, 108.193



4, 28.226, 298.488

Rectangle

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



19, 24.653, 108.193



19, 24.653, 158.193



19, 24.653, 288.193



19, 24.653, 338.193

Sweetspot

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



19, 24.653, 108.195



26, 10.321, 111.250



8, 20.964, 25.912



12, 7.115, 111.196



66, 0.008, 296.813



13, 0.003, 296.813

Same Dimension

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



19, 24.653, 108.195



25, 35.347, 107.131



17, 27.419, 129.457



9, 1.897, 112.538



36, 45.216, 107.116



83, 86.081, 107.481

Inverse Universe

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



4, 28.226, 298.488



4, 43.997, 303.251



6, 29.814, 313.787



8, 1.927, 293.610



7, 61.504, 306.685



27, 117.993, 306.480

Previews

White Background



This preview shows how the CIELCh color 19, 24.653, 108.193 looks on a white background.

Color Contrast Check

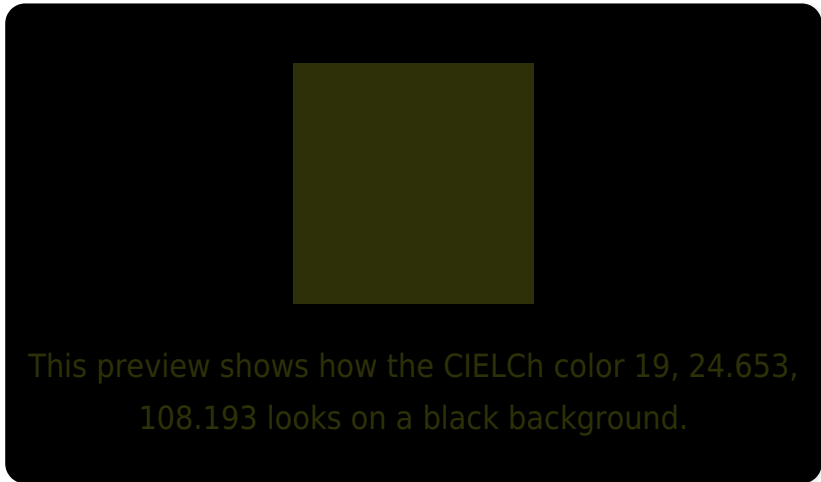
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

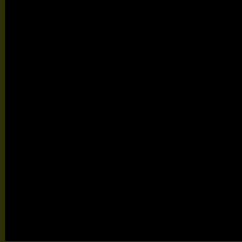
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

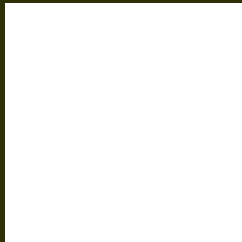
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 19, 24.653, 108.193

Background



This preview shows how black text looks on a background with the CIELCh color 19, 24.653, 108.193.

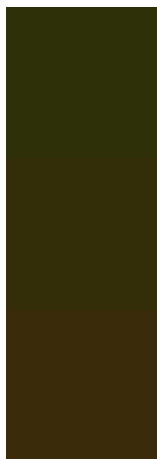


This preview shows how white text looks on a background with the CIELCh color 19, 24.653, 108.193.

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, 25.054, 108.075

Protanopia

19, 23.661, 96.288

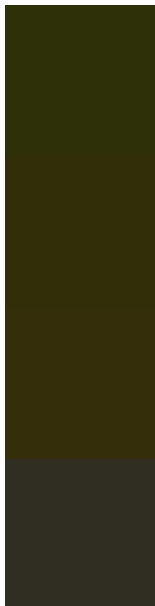
Deuteranopia

19, 22.695, 84.407



Tritanopia
19, 3.335, 324.783

Trichromacy



Original Color
19, 25.054, 108.075

Protanomaly
19, 23.992, 100.415

Deuteranomaly
19, 22.968, 94.764

Tritanomaly
19, 8.231, 100.980

Monochromacy



Original Color
19, 25.054, 108.075

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 10.232, 110.460

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 24.653, 108.193 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(46, 49, 8)` looks like.

```
.text, #text, p{  
    color:rgb(46, 49, 8)  
}
```

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(46, 49, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 49, 8) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 24.653, 108.193 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(46, 49, 8) }
```

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

```
.border{ border-color:rgb(46, 49, 8) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 49, 8)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 49, 8); -webkit-box-shadow:4px  
4px 4px 4px rgb(46, 49, 8); box-shadow:4px  
4px 4px 4px rgb(46, 49, 8) }
```

Background

The CSS property to change the background color of an element to CIELCh 19, 24.653, 108.193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 49, 8) }
```

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

```
.background{ background-color: rgb(46, 49,  
8) }
```

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