

Converting Colors

CIELCh(19, 22.492, 326.475)

Have a look what the booklet for
CIELCh(19, 22.492, 326.475)
contains.

CIELCh(19, 22.311, 326.487)	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, 22.311, 326.487)

Conversions

Conversions Part 1

Format	Color
Hex	402440
RGB	64, 36, 64
RGB Percent	25%, 14%, 25%
CMY	0.7481, 0.8579, 0.7481
CMYK	0.00, 0.44, 0.00, 0.75
HSL	300°, 28%, 20%
HSV	300°, 44%, 25%
XYZ	3.7005, 2.7468, 5.2217
YIQ	47.5640, 7.7000, 14.6440

Conversions

Conversions Part 2

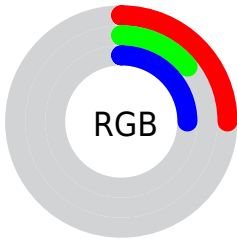
Format	Color
R_{YB}	64, 36, 64
Decimal	4203584
CIE _{Lab}	19.00, 18.60, -12.32
CIE _{LCh}	19, 22.311, 326.487
Yxy	2.7468, 0.3171, 0.2354
Android (android.graphics.Color)	4282393664 (0xFF402440)
YUV	47.5640, 8.1029, 14.4144
Hunter-Lab	16.5735, 10.8515, -7.0788

Details

The CIELCh color **19, 22.311, 326.487** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **24, 22.345, 141.591**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **39, 22.824, 326.767**, and **2, 12.749, 322.676** is the 20% darker color. If you saturate the color by 10%, you get **17, 27.063, 326.906**, and if you desaturate by 10%, it is **21, 17.308, 326.037**.

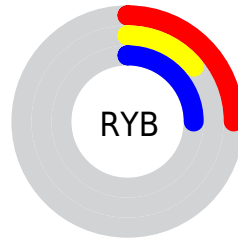
Distribution



 Red (25%)

 Green (14%)

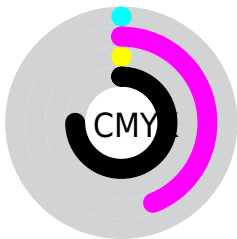
 Blue (25%)



 Red (25%)

 Yellow (14%)

 Blue (25%)

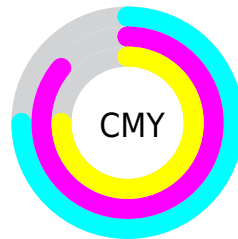


 Cyan (0%)

 Magenta (44%)

 Yellow (0%)

 Black (75%)



 Cyan (75%)

 Magenta (86%)

 Yellow (75%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 22.311, 326.487 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, 22.311, 326.487 by changing the saturation by 10% instead.

 19, 22.311,
326.487

 19, 22.311,
326.487

 100, 22.311,
326.487

 9, 22.311, 326.487

 39, 22.311,
326.487

 0, 22.311, 326.487

 49, 22.311,
326.487

 59, 22.311,
326.487

 69, 22.311,
326.487

 79, 22.311,
326.487

 89, 22.311,


326.487


 99, 22.311,
326.487


 19, 22.311,
326.487


 19, 22.311,
326.487

 17, 27.063,
326.906


 21, 17.308,
326.037

 16, 31.427,
327.282

 23, 12.174,
325.566


 15, 35.249,
327.604

 24, 6.998, 325.082

 14, 38.383,
327.863

 26, 1.847, 324.557

 29, 3.234, 144.181

 13, 41.153,
328.088

 31, 8.214, 143.697

■ 12, 43.036,
328.238

■ 33, 13.075,
143.245

■ 35, 17.805,
142.813

■ 37, 22.403,
142.402

Harmonies

Complementary

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



19, 22.311, 326.487



24, 22.345, 141.591

Rectangle

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



19, 22.311, 326.487



19, 22.311, 16.487



19, 22.311, 146.487



19, 22.311, 196.487

Sweetspot

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



19, 22.310, 326.487



33, 8.369, 325.080



16, 19.701, 295.224



15, 5.911, 325.137



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, 22.310, 326.487



24, 32.821, 326.933



18, 16.063, 347.402



12, 2.929, 324.830



22, 56.881, 328.239



53, 104.912, 328.239

Inverse Universe

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



19, 22.310, 326.487



24, 32.821, 326.933



25, 15.347, 159.923



12, 2.929, 324.830



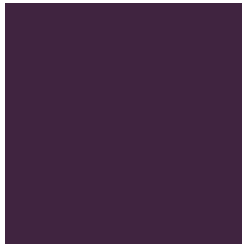
22, 56.881, 328.239



53, 104.912, 328.239

Previews

White Background



This preview shows how the CIELCh color 19, 22.311, 326.487 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, 22.311, 326.487 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

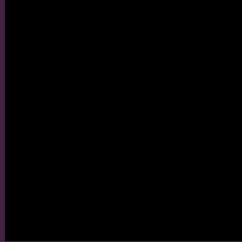
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 22.311, 326.487

Background



This preview shows how black text looks on a background with the CIELCh color 19, 22.311, 326.487.



This preview shows how white text looks on a background with the CIELCh color 19, 22.311, 326.487.

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, 22.311, 326.487

Protanopia

19, 17.933, 283.902

Deuteranopia

19, 11.029, 284.306



Tritanopia
19, 10.530, 10.860

Trichromacy



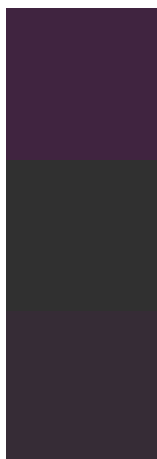
Original Color
19, 22.311, 326.487

Protanomaly
19, 18.717, 300.492

Deuteranomaly
19, 14.888, 306.497

Tritanomaly
19, 13.811, 346.808

Monochromacy



Original Color
19, 22.311, 326.487

Achromatopsia
20, 0.004, 296.813

Achromatomaly
19, 8.247, 325.287

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 22.311, 326.487 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(64, 36, 64)` looks like.

```
.text, #text, p{  
    color:rgb(64, 36, 64)  
}
```

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(64, 36, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 36, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 22.311, 326.487 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(64, 36, 64) }
```

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

```
.border{ border-color:rgb(64, 36, 64) }
```

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

Here you see how a box with a 4 pixel rgb(64, 36, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 36, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 36, 64);  
box-shadow:4px 4px 4px 4px rgb(64, 36, 64)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 22.311, 326.487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 36, 64) }
```

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

```
.background{ background-color: rgb(64, 36,  
64) }
```

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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