

Converting Colors

CIELCh(19, 45.535, 327.341)

Have a look what the booklet for
CIELCh(19, 45.535, 327.341)
contains.

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Color

CIELCh(19, 45.210, 327.361)

Conversions

Conversions Part 1

Format	Color
Hex	511052
RGB	81, 16, 82
RGB Percent	32%, 6%, 32%
CMY	0.6816, 0.9364, 0.6777
CMYK	0.01, 0.80, 0.00, 0.68
HSL	299°, 67%, 19%
HSV	299°, 80%, 32%
XYZ	5.1280, 2.7468, 8.2787
YIQ	42.9590, 17.5540, 34.3060

Conversions

Conversions Part 2

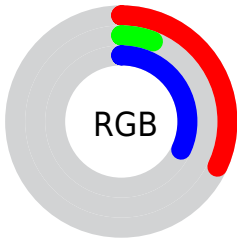
Format	Color
RYB	81, 16, 82
Decimal	5312594
CIELab	19.00, 38.07, -24.38
CIELCh	19, 45.210, 327.361
Yxy	2.7468, 0.3175, 0.1700
Android (android.graphics.Color)	4283502674 (0xFF511052)
YUV	42.9590, 19.2472, 33.3620
Hunter-Lab	16.5735, 26.2261, -18.0145

Details

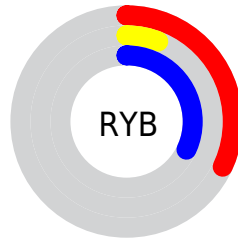
The CIELCh color **19, 45.210, 327.361** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **30, 46.054, 137.587**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 45.180, 327.383**, and **5, 27.657, 326.238** is the 20% darker color. If you saturate the color by 10%, you get **18, 48.128, 327.533**, and if you desaturate by 10%, it is **20, 41.308, 327.110**.

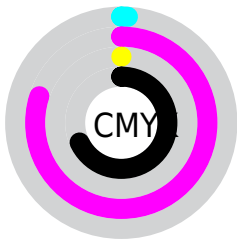
Distribution



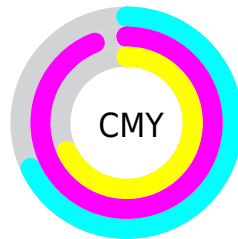
- Red (32%)
- Green (6%)
- Blue (32%)



- Red (32%)
- Yellow (6%)
- Blue (32%)



- Cyan (1%)
- Magenta (80%)
- Yellow (0%)
- Black (68%)



- Cyan (68%)
- Magenta (94%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 45.210, 327.361 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, 45.210, 327.361 by changing the saturation by 10% instead.

■ 19, 45.210,
327.361

■ 19, 45.210,
327.361

■ 100, 45.210,
327.361

■ 9, 45.210, 327.361

■ 39, 45.210,
327.361

■ 0, 45.210, 327.361

■ 49, 45.210,
327.361


■ 59, 45.210,
327.361


■ 69, 45.210,
327.361


■ 79, 45.210,
327.361


■ 89, 45.210,


327.361


 99, 45.210,
327.361


 19, 45.210,
327.361


 19, 45.210,
327.361


 18, 48.128,
327.533


 20, 41.308,
327.110

 17, 50.794,
327.687

 22, 36.545,
326.786

 24, 31.118,
326.402

 26, 25.231,
325.971

 28, 19.065,
325.507

■ 30, 12.763,
325.023

■ 32, 6.437, 324.523

■ 35, 0.165, 323.241

■ 37, 6.002, 143.599

Harmonies

Complementary

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



19, 45.210, 327.361



30, 46.054, 137.587

Rectangle

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



19, 45.210, 327.361



19, 45.210, 17.361



19, 45.210, 147.361



19, 45.210, 197.361

Sweetspot

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



19, 45.209, 327.361



38, 18.830, 325.247



10, 46.342, 302.029



18, 12.785, 325.347



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



19, 45.209, 327.361



24, 60.063, 327.625



18, 33.534, 352.249



15, 3.484, 324.444



23, 60.042, 327.669



54, 107.680, 327.630

Inverse Universe

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



17, 35.009, 30.255



21, 50.824, 35.432



30, 32.491, 153.776



15, 2.019, 18.588



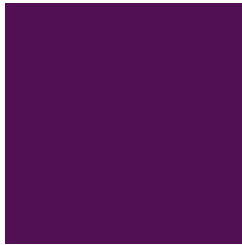
20, 51.260, 35.689



48, 96.752, 39.533

Previews

White Background



This preview shows how the CIE LCh color 19, 45.210, 327.361 looks on a white background.

Color Contrast Check

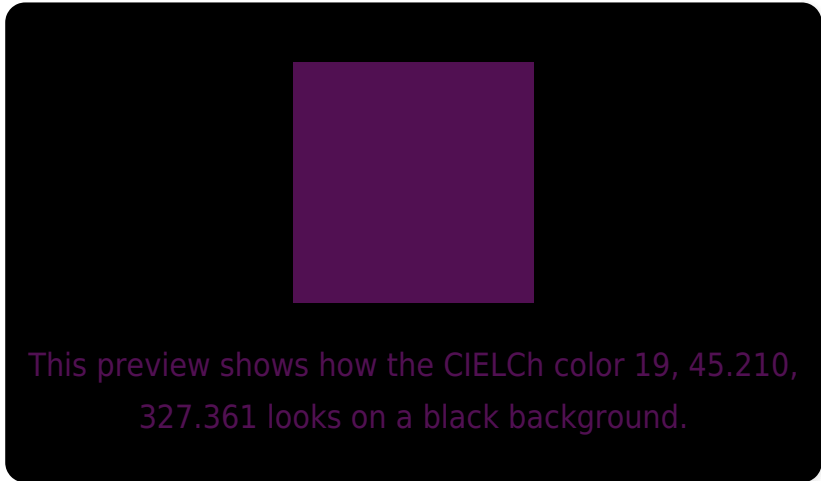
Large Text (above 18pt) WCAG AA ✓ Pass

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

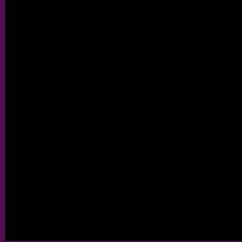
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 45.210, 327.361

Background



This preview shows how black text looks on a background with the CIELCh color 19, 45.210, 327.361.



This preview shows how white text looks on a background with the CIELCh color 19, 45.210, 327.361.

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, 45.210, 327.361

Protanopia

19, 35.791, 284.013

Deuteranopia

20, 20.861, 279.323



Tritanopia
20, 20.996, 21.304

Trichromacy



Original Color
19, 45.210, 327.361

Protanomaly
17, 39.326, 297.292

Deuteranomaly
18, 30.648, 305.458

Tritanomaly
19, 27.017, 350.310

Monochromacy



Original Color
19, 45.210, 327.361

Achromatopsia
18, 0.003, 296.813

Achromatomaly
17, 19.532, 326.375

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 45.210, 327.361 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(81, 16, 82)` looks like.

```
.text, #text, p{  
    color:rgb(81, 16, 82)  
}
```

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(81, 16, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 16, 82) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 45.210, 327.361 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(81, 16, 82) }
```

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

```
.border{ border-color:rgb(81, 16, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 16, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 16, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 16, 82);  
box-shadow:4px 4px 4px 4px rgb(81, 16, 82)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 45.210, 327.361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 16, 82) }
```

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

```
.background{ background-color: rgb(81, 16,  
82) }
```

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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