

Converting Colors

CIELCh(19, 53.433, 320.277)

Have a look what the booklet for
CIELCh(19, 53.433, 320.277)
contains.

CIELCh(19, 53.747, 320.105)	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, 53.747, 320.105)

Conversions

Conversions Part 1

Format	Color
Hex	4D0D61
RGB	77, 13, 97
RGB Percent	30%, 5%, 38%
CMY	0.6973, 0.9480, 0.6189
CMYK	0.21, 0.86, 0.00, 0.62
HSL	286°, 76%, 22%
HSV	286°, 86%, 38%
XYZ	5.3901, 2.7468, 11.6020
YIQ	41.7120, 11.1800, 39.6920

Conversions

Conversions Part 2

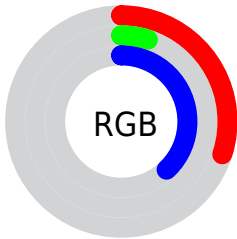
Format	Color
RYB	77, 13, 97
Decimal	5049697
CIELab	19.00, 41.24, -34.47
CIELCh	19, 53.747, 320.105
Yxy	2.7468, 0.2731, 0.1392
Android (android.graphics.Color)	4283239777 (0xFF4D0D61)
YUV	41.7120, 27.2570, 30.9476
Hunter-Lab	16.5735, 29.0486, -29.9033

Details

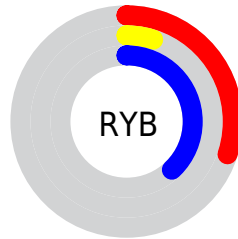
The CIELCh color **19, 53.747, 320.105** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **36, 52.497, 133.622**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 53.654, 320.169**, and **5, 35.681, 315.859** is the 20% darker color. If you saturate the color by 10%, you get **18, 57.043, 319.916**, and if you desaturate by 10%, it is **21, 49.545, 320.164**.

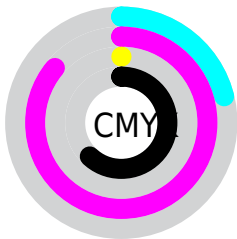
Distribution



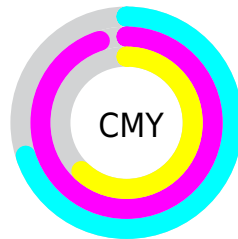
- Red (30%)
- Green (5%)
- Blue (38%)



- Red (30%)
- Yellow (5%)
- Blue (38%)



- Cyan (21%)
- Magenta (86%)
- Yellow (0%)
- Black (62%)





- Cyan (70%)
- Magenta (95%)
- Yellow (62%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 53.747, 320.105 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, 53.747, 320.105 by changing the saturation by 10% instead.

 19, 53.747,
320.105

 19, 53.747,
320.105


 100, 53.747,
320.105


 9, 53.747, 320.105


 39, 53.747,
320.105

 0, 53.747, 320.105

 49, 53.747,
320.105


 59, 53.747,
320.105


 69, 53.747,
320.105


 79, 53.747,
320.105


 89, 53.747,


320.105


 99, 53.747,
320.105

 19, 53.747,
320.105


 19, 53.747,
320.105

 18, 57.043,
319.916


 21, 49.545,
320.164

 17, 58.305,
319.873

 23, 44.285,
320.054

 25, 38.256,
319.819

 28, 31.729,
319.498

 30, 24.928,
319.123

■ 33, 18.016,
318.720

■ 36, 11.111,
318.305

■ 39, 4.286, 317.883

■ 42, 2.412, 137.566

Harmonies

Complementary

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



19, 53.747, 320.105



36, 52.497, 133.622

Rectangle

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



19, 53.747, 320.105



19, 53.747, 10.105



19, 53.747, 140.105



19, 53.747, 190.105

Sweetspot

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



19, 53.746, 320.105



44, 22.215, 318.738



16, 43.589, 294.835



20, 14.943, 318.831



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



19, 53.746, 320.105



24, 70.780, 319.636



21, 45.019, 338.876



18, 3.774, 317.991



21, 64.558, 319.741



47, 113.117, 319.256

Inverse Universe

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



20, 39.011, 17.038



26, 53.520, 24.492



36, 47.666, 143.025



18, 2.457, 1.089



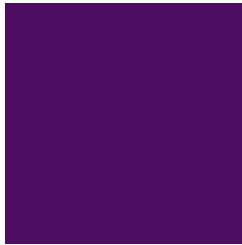
22, 48.572, 23.644



50, 87.231, 27.463

Previews

White Background



This preview shows how the CIE LCh color 19, 53.747, 320.105 looks on a white background.

Color Contrast Check

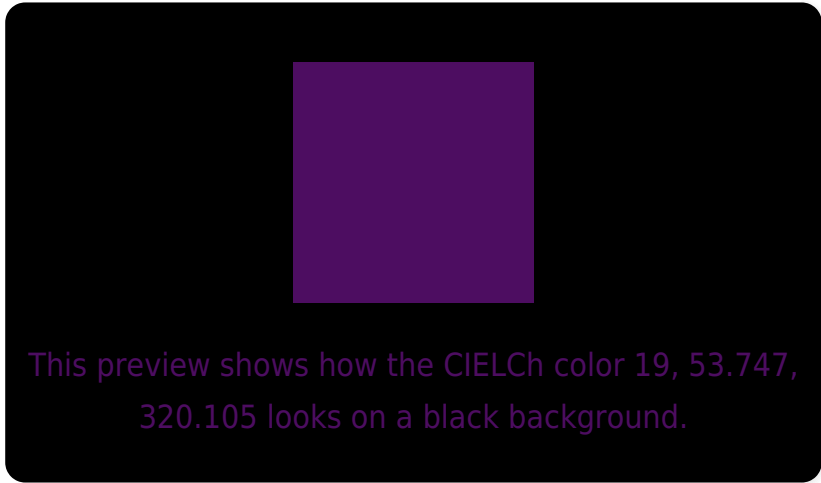
Large Text (above 18pt) WCAG AA ✓ Pass

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

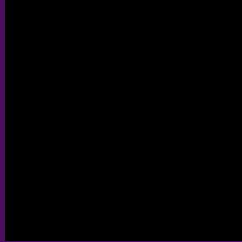
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 53.747, 320.105

Background



This preview shows how black text looks on a background with the CIELCh color 19, 53.747, 320.105.



This preview shows how white text looks on a background with the CIELCh color 19, 53.747, 320.105.

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, 53.747, 320.105

Protanopia

20, 35.107, 283.050

Deuteranopia

20, 26.592, 272.068



Tritanopia
20, 15.111, 15.556

Trichromacy



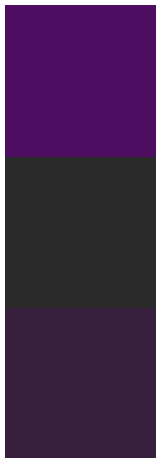
Original Color
19, 53.747, 320.105

Protanomaly
17, 43.233, 297.609

Deuteranomaly
17, 37.320, 295.618

Tritanomaly
19, 27.303, 335.597

Monochromacy



Original Color
19, 53.747, 320.105

Achromatopsia
17, 0.003, 296.813

Achromatomaly
16, 22.824, 319.606

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 53.747, 320.105 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(77, 13, 97)` looks like.

```
.text, #text, p{  
    color:rgb(77, 13, 97)  
}
```

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(77, 13, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 13, 97) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 53.747, 320.105 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(77, 13, 97) }
```

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

```
.border{ border-color:rgb(77, 13, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 13, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 13, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 13, 97);  
box-shadow:4px 4px 4px 4px rgb(77, 13, 97)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 53.747, 320.105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 13, 97) }
```

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

```
.background{ background-color: rgb(77, 13,  
97) }
```

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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