

Converting Colors

CIELCh(19, 52.551, 320.053)

Have a look what the booklet for
CIELCh(19, 52.551, 320.053)
contains.

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Color

CIELCh(19, 52.494, 320.248)

Conversions

Conversions Part 1

Format	Color
Hex	4D0F60
RGB	77, 15, 96
RGB Percent	30%, 6%, 38%
CMY	0.6988, 0.9420, 0.6242
CMYK	0.20, 0.85, 0.00, 0.62
HSL	286°, 73%, 22%
HSV	286°, 85%, 38%
XYZ	5.3166, 2.7468, 11.2732
YIQ	42.7720, 10.9510, 38.3350

Conversions

Conversions Part 2

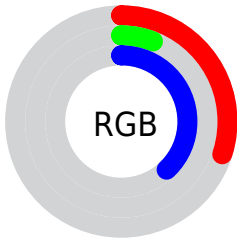
Format	Color
R_{YB}	77, 15, 96
Decimal	5050208
CIE _{Lab}	19.00, 40.36, -33.57
CIE _{LCh}	19, 52.494, 320.248
Yxy	2.7468, 0.2749, 0.1421
Android (android.graphics.Color)	4283240288 (0xFF4D0F60)
YUV	42.7720, 26.2414, 30.0180
Hunter-Lab	16.5735, 28.2568, -28.7271

Details

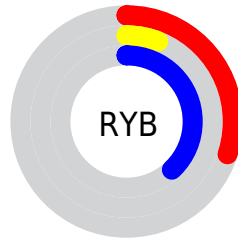
The CIELCh color **19, 52.494, 320.248** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **35, 51.291, 133.711**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 52.547, 320.348**, and **5, 34.981, 316.163** is the 20% darker color. If you saturate the color by 10%, you get **18, 55.834, 320.071**, and if you desaturate by 10%, it is **21, 48.129, 320.270**.

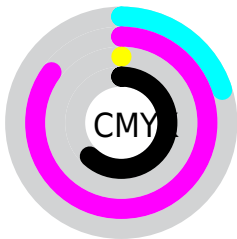
Distribution



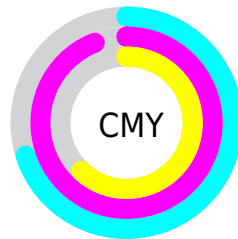
- Red (30%)
- Green (6%)
- Blue (38%)



- Red (30%)
- Yellow (6%)
- Blue (38%)



- Cyan (20%)
- Magenta (85%)
- Yellow (0%)
- Black (62%)





- Cyan (70%)
- Magenta (94%)
- Yellow (62%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 52.494, 320.248 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, 52.494, 320.248 by changing the saturation by 10% instead.

 19, 52.494,
320.248

 19, 52.494,
320.248

 100, 52.494,
320.248


 9, 52.494, 320.248

 39, 52.494,
320.248

 0, 52.494, 320.248

 49, 52.494,
320.248

 59, 52.494,
320.248

 69, 52.494,
320.248


 79, 52.494,
320.248


 89, 52.494,


320.248

 99, 52.494,
320.248


 19, 52.494,
320.248


 19, 52.494,
320.248


 18, 55.834,
320.071


 21, 48.129,
320.270

 17, 57.695,
320.006

 23, 42.772,
320.132

 25, 36.705,
319.878

 28, 30.190,
319.546

 30, 23.436,
319.165

■ 33, 16.595,
318.759

■ 36, 9.774, 318.343

■ 39, 3.043, 317.913

■ 42, 3.558, 137.594

Harmonies

Complementary

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



19, 52.494, 320.248



35, 51.291, 133.711

Rectangle

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



19, 52.494, 320.248



19, 52.494, 10.248



19, 52.494, 140.248



19, 52.494, 190.248

Sweetspot

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



19, 52.493, 320.248



43, 21.017, 318.808



16, 42.084, 294.248



21, 14.468, 318.907



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, 52.493, 320.248



23, 69.714, 319.774



21, 44.133, 338.669



18, 3.778, 318.105



21, 64.522, 319.862



47, 113.047, 319.382

Inverse Universe

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



20, 38.008, 16.554



25, 52.809, 24.669



35, 46.442, 143.344



18, 2.454, 1.360



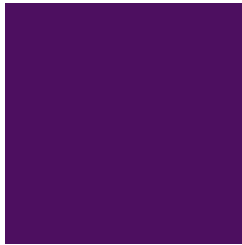
22, 48.666, 23.949



50, 87.437, 27.761

Previews

White Background



This preview shows how the CIELCh color 19, 52.494, 320.248 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, 52.494, 320.248 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

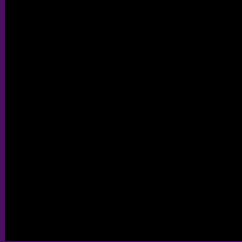
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 52.494, 320.248

Background



This preview shows how black text looks on a background with the CIELCh color 19, 52.494, 320.248.



This preview shows how white text looks on a background with the CIELCh color 19, 52.494, 320.248.

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, 52.494, 320.248

Protanopia

20, 35.107, 283.050

Deuteranopia

20, 26.592, 272.068



Tritanopia
20, 15.111, 15.556

Trichromacy



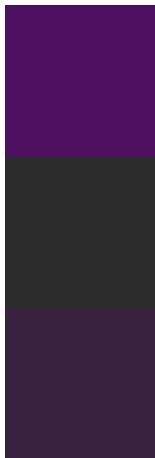
Original Color
19, 52.494, 320.248

Protanomaly
17, 42.593, 297.459

Deuteranomaly
17, 36.576, 294.909

Tritanomaly
19, 27.303, 335.597

Monochromacy



Original Color
19, 52.494, 320.248

Achromatopsia
18, 0.003, 296.813

Achromatomaly
17, 22.043, 319.301

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 52.494, 320.248 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, 15, 96)` looks like.

```
.text, #text, p{  
    color:rgb(77, 15, 96)  
}
```

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, 15, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 15, 96) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 52.494, 320.248 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, 15, 96) }
```

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

```
.border{ border-color:rgb(77, 15, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 15, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 15, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 15, 96);  
box-shadow:4px 4px 4px 4px rgb(77, 15, 96)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 52.494, 320.248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 15, 96) }
```

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

```
.background{ background-color: rgb(77, 15,  
96) }
```

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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