

Converting Colors

CIELCh(20, 49.970, 334.825)

Have a look what the booklet for
CIELCh(20, 49.970, 334.825)
contains.

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Color

CIELCh(20, 49.937, 334.690)

Conversions

Conversions Part 1

Format	Color
Hex	5E0050
RGB	94, 0, 80
RGB Percent	37%, 0%, 31%
CMY	0.6301, 0.9983, 0.6851
CMYK	0.00, 1.00, 0.15, 0.63
HSL	309°, 99%, 19%
HSV	309°, 100%, 37%
XYZ	6.1119, 2.9891, 7.9004
YIQ	37.2260, 30.3440, 44.8080

Conversions

Conversions Part 2

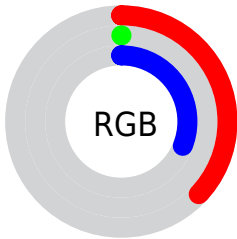
Format	Color
R_{YB}	94, 0, 80
Decimal	6160464
CIE _{Lab}	20.00, 45.14, -21.35
CIE _{LCh}	20, 49.937, 334.690
Yxy	2.9891, 0.3595, 0.1758
Android (android.graphics.Color)	4284350544 (0xFF5E0050)
YUV	37.2260, 21.0876, 49.7908
Hunter-Lab	17.2889, 32.8469, -14.9910

Details

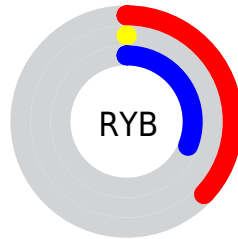
The CIELCh color **20, 49.937, 334.690** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **34, 54.194, 138.671**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **40, 50.133, 334.686**, and **7, 29.924, 337.784** is the 20% darker color. If you saturate the color by 10%, you get **20, 50.035, 334.717**, and if you desaturate by 10%, it is **21, 47.822, 334.075**.

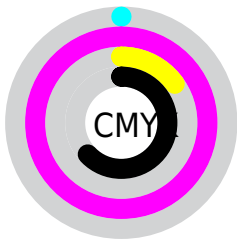
Distribution



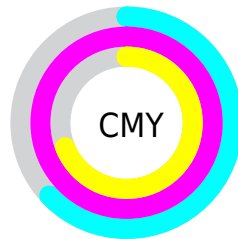
- Red (37%)
- Green (0%)
- Blue (31%)



- Red (37%)
- Yellow (0%)
- Blue (31%)



- Cyan (0%)
- Magenta (100%)
- Yellow (15%)
- Black (63%)





- Cyan (63%)
- Magenta (100%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 20, 49.937, 334.690 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 20, 49.937, 334.690 by changing the saturation by 10% instead.

 20, 49.937,
334.690

 20, 49.937,
334.690


 100, 49.937,
334.690


 10, 49.937,
334.690


 40, 49.937,
334.690

 0, 49.937, 334.690

 50, 49.937,
334.690

 60, 49.937,
334.690

 70, 49.937,
334.690

 80, 49.937,
334.690

 90, 49.937,

334.690

■ 20, 49.937,
334.690

■ 20, 49.937,
334.690

■ 20, 50.035,
334.717

■ 21, 47.822,
334.075

■ 22, 45.204,
333.454

■ 23, 41.424,
332.852

■ 25, 36.674,
332.258

■ 27, 31.189,
331.666

■ 30, 25.205,
331.074

■ 32, 18.926,
330.486

■ 35, 12.514,
329.904

■ 37, 6.084, 329.323

Harmonies

Complementary

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



20, 49.937, 334.690



34, 54.194, 138.671

Rectangle

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



20, 49.937, 334.690



20, 49.937, 24.690



20, 49.937, 154.690



20, 49.937, 204.690

Sweetspot

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



20, 49.935, 334.690



41, 23.806, 330.567



8, 63.468, 307.083



19, 16.074, 330.727



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



20, 49.935, 334.690



27, 59.968, 334.948



18, 40.798, 10.860



17, 3.489, 329.279



24, 55.513, 334.856



54, 97.154, 335.361

Inverse Universe

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



20, 49.935, 334.690



27, 59.968, 334.948



35, 35.909, 158.650



17, 3.489, 329.279



24, 55.513, 334.856



54, 97.154, 335.361

Previews

White Background



This preview shows how the CIE LCh color 20, 49.937, 334.690 looks on a white background.

Color Contrast Check

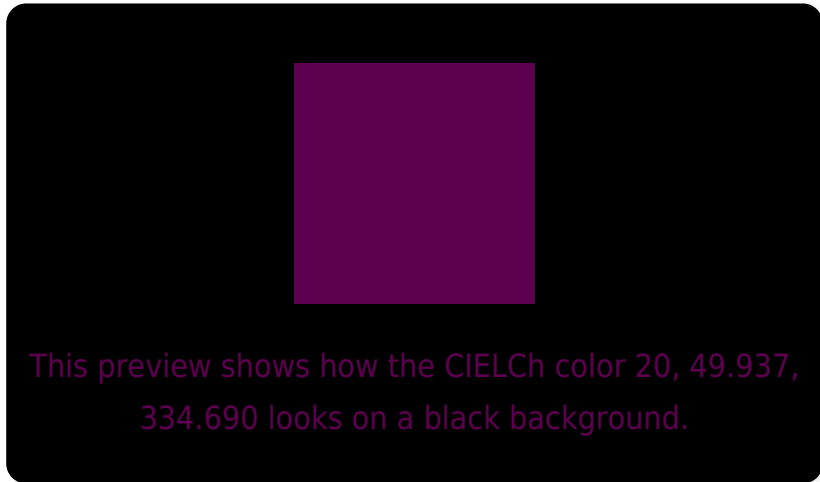
Large Text (above 18pt) WCAG AA ✓ Pass

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

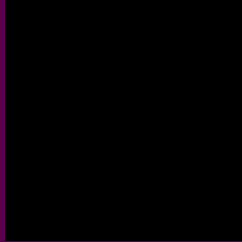
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 49.937, 334.690

Background



This preview shows how black text looks on a background with the CIELCh color 20, 49.937, 334.690.



This preview shows how white text looks on a background with the CIELCh color 20, 49.937, 334.690.

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

20, 49.937, 334.690

Protanopia

21, 38.634, 284.725

Deuteranopia

22, 15.683, 281.221



Tritanopia
21, 29.857, 26.167

Trichromacy



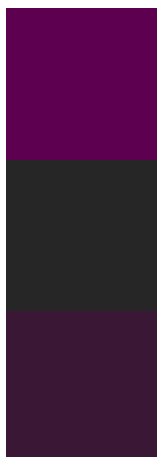
Original Color
20, 49.937, 334.690

Protanomaly
17, 44.636, 300.726

Deuteranomaly
19, 31.643, 316.594

Tritanomaly
20, 34.428, 359.838

Monochromacy



Original Color
20, 49.937, 334.690

Achromatopsia
15, 0.003, 296.813

Achromatomaly
14, 24.442, 331.856

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 49.937, 334.690 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(94, 0, 80)` looks like.

```
.text, #text, p{  
    color:rgb(94, 0, 80)  
}
```

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(94, 0, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 0, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 49.937, 334.690 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(94, 0, 80) }
```

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

```
.border{ border-color:rgb(94, 0, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 0, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 0, 80); -webkit-box-shadow:4px  
4px 4px 4px rgb(94, 0, 80); box-shadow:4px  
4px 4px 4px rgb(94, 0, 80) }
```

Background

The CSS property to change the background color of an element to CIELCh 20, 49.937, 334.690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 0, 80) }
```

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

```
.background{ background-color: rgb(94, 0,  
80) }
```

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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