

Converting Colors

CIELCh(19, 30.433, 352.747)

Have a look what the booklet for
CIELCh(19, 30.433, 352.747)
contains.

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Color

CIELCh(19, 30.530, 353.350)

Conversions

Conversions Part 1

Format	Color
Hex	531834
RGB	83, 24, 52
RGB Percent	33%, 9%, 20%
CMY	0.6742, 0.9056, 0.7958
CMYK	0.00, 0.71, 0.37, 0.67
HSL	332°, 55%, 21%
HSV	332°, 71%, 33%
XYZ	4.5228, 2.7468, 3.5479
YIQ	44.8330, 26.1760, 21.2160

Conversions

Conversions Part 2

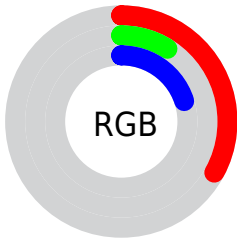
Format	Color
RYB	83, 24, 52
Decimal	5445684
CIELab	19.00, 30.32, -3.54
CIELCh	19, 30.530, 353.350
Yxy	2.7468, 0.4181, 0.2539
Android (android.graphics.Color)	4283635764 (0xFF531834)
YUV	44.8330, 3.5333, 33.4725
Hunter-Lab	16.5735, 19.7077, -1.0908

Details

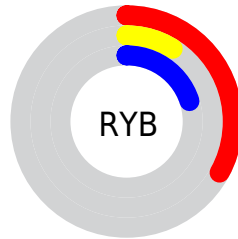
The CIELCh color **19, 30.530, 353.350** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **31, 28.628, 157.432**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 30.291, 353.846**, and **4, 18.662, 13.211** is the 20% darker color. If you saturate the color by 10%, you get **18, 33.462, 355.525**, and if you desaturate by 10%, it is **21, 26.921, 351.574**.

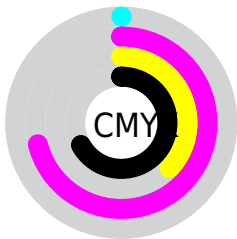
Distribution



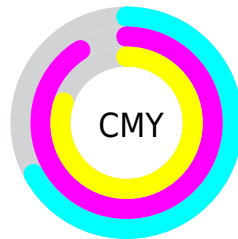
- Red (33%)
- Green (9%)
- Blue (20%)



- Red (33%)
- Yellow (9%)
- Blue (20%)



- Cyan (0%)
- Magenta (71%)
- Yellow (37%)
- Black (67%)



- Cyan (67%)
- Magenta (91%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 30.530, 353.350 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, 30.530, 353.350 by changing the saturation by 10% instead.

■ 19, 30.530,
353.350

■ 19, 30.530,
353.350

■ 100, 30.530,
353.350

■ 9, 30.530, 353.350

■ 39, 30.530,
353.350

■ 0, 30.530, 353.350

■ 49, 30.530,
353.350


■ 59, 30.530,
353.350


■ 69, 30.530,
353.350


■ 79, 30.530,
353.350


■ 89, 30.530,


353.350


 99, 30.530,
353.350


 19, 30.530,
353.350

 19, 30.530,
353.350


 18, 33.462,
355.525


 21, 26.921,
351.574

 16, 35.628,
358.174

 23, 22.834,
350.092

 15, 37.614, 0.469

 25, 18.451,
348.830

 27, 13.926,
347.732

 30, 9.371, 346.758

■ 32, 4.862, 345.870

■ 35, 0.448, 344.638

■ 38, 3.844, 164.471

■ 40, 8.000, 163.781

Harmonies

Complementary

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



19, 30.530, 353.350



31, 28.628, 157.432

Rectangle

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



19, 30.530, 353.350



19, 30.530, 43.350



19, 30.530, 173.350



19, 30.530, 223.350

Sweetspot

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



19, 30.528, 353.351



39, 11.554, 346.821



16, 41.107, 312.751



18, 7.738, 346.957



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, 30.528, 353.351



23, 41.768, 357.299



18, 31.005, 29.661



15, 2.422, 345.669



21, 44.014, 1.867



50, 78.639, 5.188

Inverse Universe

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



19, 30.528, 353.351



23, 41.768, 357.299



32, 18.838, 198.740



15, 2.422, 345.669



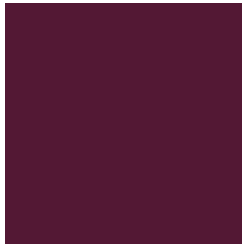
21, 44.014, 1.867



50, 78.639, 5.188

Previews

White Background



This preview shows how the CIE LCh color 19, 30.530, 353.350 looks on a white background.

Color Contrast Check

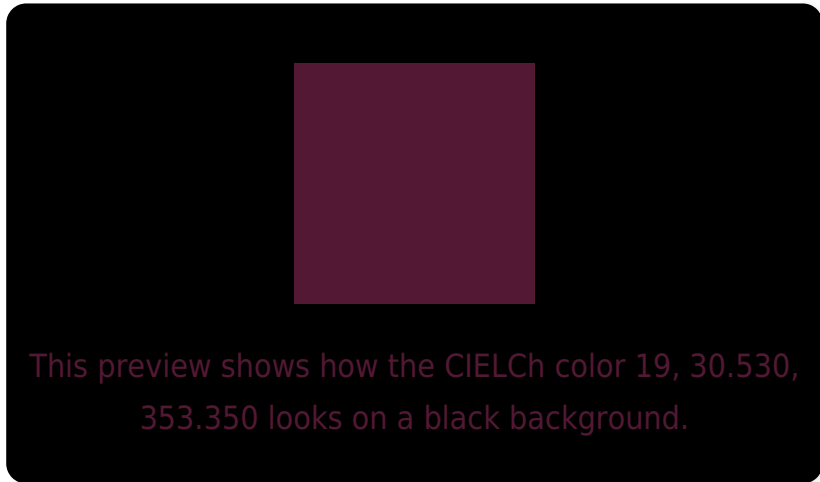
Large Text (above 18pt) WCAG AA ✓ Pass

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

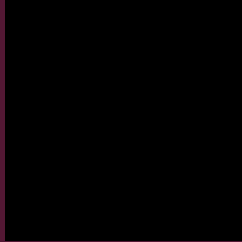
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 30.530, 353.350

Background



This preview shows how black text looks on a background with the CIELCh color 19, 30.530, 353.350.



This preview shows how white text looks on a background with the CIELCh color 19, 30.530, 353.350.

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, 30.530, 353.350

Protanopia

20, 13.762, 283.617

Deuteranopia

20, 3.499, 344.416



Tritanopia
19, 27.469, 24.563

Trichromacy



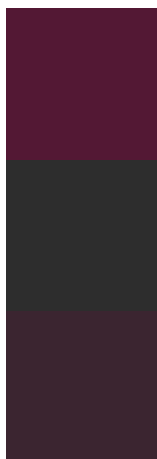
Original Color
19, 30.530, 353.350

Protanomaly
19, 17.416, 318.346

Deuteranomaly
19, 14.224, 348.143

Tritanomaly
19, 27.414, 11.627

Monochromacy



Original Color
19, 30.530, 353.350

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 12.794, 346.681

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 30.530, 353.350 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(83, 24, 52)` looks like.

```
.text, #text, p{  
    color:rgb(83, 24, 52)  
}
```

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(83, 24, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 24, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 30.530, 353.350 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(83, 24, 52) }
```

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

```
.border{ border-color:rgb(83, 24, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 24, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 24, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 24, 52);  
box-shadow:4px 4px 4px 4px rgb(83, 24, 52)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 30.530, 353.350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 24, 52) }
```

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

```
.background{ background-color: rgb(83, 24,  
52) }
```

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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