

Converting Colors

CIELCh(30, 50.189, 346.781)

Have a look what the booklet for
CIELCh(30, 50.189, 346.781)
contains.

CIELCh(30, 50.521, 346.681)	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(30, 50.521, 346.681)

Conversions

Conversions Part 1

Format	Color
Hex	83195A
RGB	131, 25, 90
RGB Percent	51%, 10%, 35%
CMY	0.4869, 0.9027, 0.6476
CMYK	0.00, 0.81, 0.31, 0.49
HSL	323°, 68%, 31%
HSV	323°, 81%, 51%
XYZ	11.5193, 6.2359, 10.2391
YIQ	64.1040, 42.3110, 42.6870

Conversions

Conversions Part 2

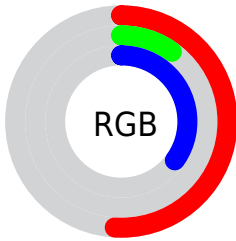
Format	Color
R_{YB}	131, 25, 90
Decimal	8591706
CIE _{Lab}	30.00, 49.16, -11.64
CIE _{LCh}	30, 50.521, 346.681
Yxy	6.2359, 0.4115, 0.2228
Android (android.graphics.Color)	4286781786 (0xFF83195A)
YUV	64.1040, 12.7667, 58.6678
Hunter-Lab	24.9718, 38.6403, -6.8303

Details

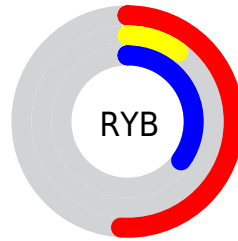
The CIELCh color **30, 50.521, 346.681** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **48, 51.666, 148.445**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 50.139, 346.697**, and **14, 36.892, 352.045** is the 20% darker color. If you saturate the color by 10%, you get **29, 52.711, 348.744**, and if you desaturate by 10%, it is **32, 46.803, 345.000**.

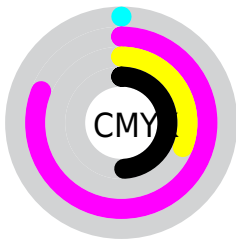
Distribution



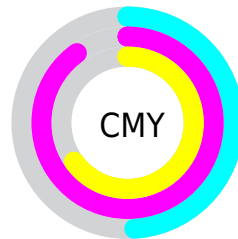
- Red (51%)
- Green (10%)
- Blue (35%)



- Red (51%)
- Yellow (10%)
- Blue (35%)



- Cyan (0%)
- Magenta (81%)
- Yellow (31%)
- Black (49%)





- Cyan (49%)
- Magenta (90%)
- Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 50.521, 346.681 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 30, 50.521, 346.681 by changing the saturation by 10% instead.


 30, 50.521,
346.681


 30, 50.521,
346.681

 100, 50.521,
346.681


 20, 50.521,
346.681


 50, 50.521,
346.681


 10, 50.521,
346.681

 60, 50.521,
346.681

 0, 50.521, 346.681

 70, 50.521,
346.681

 80, 50.521,
346.681

 90, 50.521,
346.681

■ 30, 50.521,
346.681

■ 30, 50.521,
346.681

■ 29, 52.711,
348.744

■ 32, 46.803,
345.000

■ 28, 53.879,
350.827

■ 34, 41.782,
343.601

■ 37, 35.781,
342.405

■ 40, 29.131,
341.358

■ 43, 22.114,
340.420

■ 47, 14.949,
339.565

■ 51, 7.787, 338.769

■ 54, 0.727, 337.713

Harmonies

Complementary

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



30, 50.521, 346.681



48, 51.666, 148.445

Rectangle

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



30, 50.521, 346.681



30, 50.521, 36.681



30, 50.521, 166.681



30, 50.521, 216.681

Sweetspot

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



30, 50.519, 346.682



59, 21.244, 339.858



22, 67.238, 309.735



29, 14.721, 340.121



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



30, 50.519, 346.682



37, 64.941, 350.774



28, 49.270, 25.470



26, 4.017, 338.621



28, 53.648, 350.808



0, 0.954, 338.005

Inverse Universe

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



30, 50.519, 346.682



37, 64.941, 350.774



49, 31.486, 182.780



26, 4.017, 338.621



28, 53.648, 350.808



0, 0.954, 338.005

Previews

White Background



This preview shows how the CIELCh color 30, 50.521, 346.681 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 30, 50.521, 346.681 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

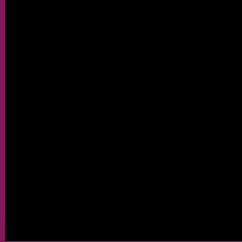
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 50.521, 346.681

Background



This preview shows how black text looks on a background with the CIELCh color 30, 50.521, 346.681.



This preview shows how white text looks on a background with the CIELCh color 30, 50.521, 346.681.

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
30, 50.521, 346.681

Protanopia
31, 32.656, 285.390

Deuteranopia
31, 8.414, 300.158



Tritanopia
30, 42.370, 27.458

Trichromacy



Original Color
30, 50.521, 346.681

Protanomaly
28, 37.191, 310.406

Deuteranomaly
29, 26.288, 333.912

Tritanomaly
30, 42.578, 10.703

Monochromacy



Original Color
30, 50.521, 346.681

Achromatopsia
27, 0.004, 296.813

Achromatomaly
26, 21.996, 341.797

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 50.521, 346.681 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(131, 25, 90)` looks like.

```
.text, #text, p{  
    color:rgb(131, 25, 90)  
}
```

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(131, 25, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 25, 90) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 50.521, 346.681 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(131, 25, 90) }
```

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

```
.border{ border-color:rgb(131, 25, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 25, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 25, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 25, 90);  
box-shadow:4px 4px 4px 4px rgb(131, 25,  
90) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 50.521, 346.681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 25, 90) }
```

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

```
.background{ background-color: rgb(131, 25,  
90) }
```

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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