

Converting Colors

CIELCh(54, 31.771, 331.018)

Have a look what the booklet for
CIELCh(54, 31.771, 331.018)
contains.

CIELCh(54, 31.838, 330.875)	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(54, 31.838, 330.875)

Conversions

Conversions Part 1

Format	Color
Hex	A4709C
RGB	164, 112, 156
RGB Percent	64%, 44%, 61%
CMY	0.3558, 0.5598, 0.3872
CMYK	0.00, 0.32, 0.05, 0.36
HSL	309°, 22%, 54%
HSV	309°, 32%, 64%
XYZ	27.2107, 21.9746, 34.3768
YIQ	132.5640, 16.8680, 24.7080

Conversions

Conversions Part 2

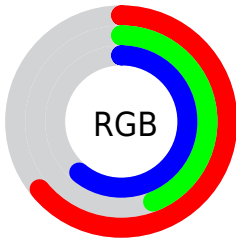
Format	Color
R_{YB}	164, 112, 156
Decimal	10776732
CIE _{Lab}	54.00, 27.81, -15.50
CIE _{LCh}	54, 31.838, 330.875
Yxy	21.9746, 0.3256, 0.2630
Android (android.graphics.Color)	4288966812 (0xFFA4709C)
YUV	132.5640, 11.5539, 27.5694
Hunter-Lab	46.8770, 21.5789, -10.6658

Details

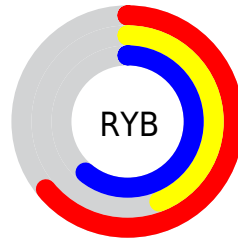
The CIELCh color $54, 31.838, 330.875$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $63, 31.762, 146.644$, and the grayscale version is $55, 0.007, 296.813$.

A 20% lighter version of the original color is $74, 32.357, 330.753$, and $34, 31.897, 330.494$ is the 20% darker color. If you saturate the color by 10%, you get $50, 41.541, 331.504$, and if you desaturate by 10%, it is $58, 21.810, 330.253$.

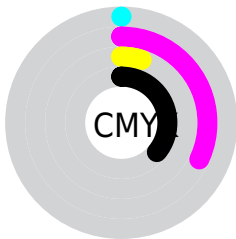
Distribution



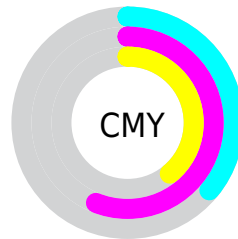
- Red (64%)
- Green (44%)
- Blue (61%)



- Red (64%)
- Yellow (44%)
- Blue (61%)



- Cyan (0%)
- Magenta (32%)
- Yellow (5%)
- Black (36%)





- Cyan (36%)
- Magenta (56%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 54, 31.838, 330.875 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 54, 31.838, 330.875 by changing the saturation by 10% instead.


 54, 31.838,
330.875


 54, 31.838,
330.875


 100, 31.838,
330.875


 44, 31.838,
330.875


 74, 31.838,
330.875

 34, 31.838,
330.875

 84, 31.838,
330.875

 24, 31.838,
330.875

 94, 31.838,
330.875

 14, 31.838,
330.875

 4, 31.838, 330.875

 0, 31.838, 330.875

■ 54, 31.838,
330.875

■ 54, 31.838,
330.875

■ 50, 41.541,
331.504

■ 58, 21.810,
330.253

■ 47, 50.610,
332.137

■ 62, 11.699,
329.636

■ 44, 58.652,
332.774

■ 67, 1.662, 328.915

■ 41, 65.240,
333.418

■ 71, 8.196, 148.531

■ 39, 69.997,
334.083

■ 76, 17.815,
147.968


■ 38, 72.707,
334.787

■ 80, 27.163,
147.443

■ 37, 73.810,
335.406

■ 85, 36.228,
146.946

■ 90, 45.012,
146.477

 93, 50.591,
146.441

Harmonies

Complementary

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



54, 31.838, 330.875



63, 31.762, 146.644

Rectangle

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



54, 31.838, 330.875



54, 31.838, 20.875



54, 31.838, 150.875



54, 31.838, 200.875

Sweetspot

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



54, 31.836, 330.875



81, 11.187, 329.482



50, 30.679, 298.939



42, 7.766, 329.568



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



54, 31.836, 330.875



66, 47.181, 331.318



53, 23.384, 355.965



32, 5.635, 329.487



33, 67.555, 335.321



1, 8.471, 330.336

Inverse Universe

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



54, 31.836, 330.875



66, 47.181, 331.318



63, 21.675, 169.504



32, 5.635, 329.487



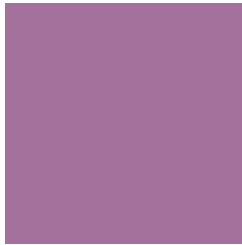
33, 67.555, 335.321



1, 8.471, 330.336

Previews

White Background



This preview shows how the CIELCh color 54, 31.838, 330.875 looks on a white background.

Color Contrast Check

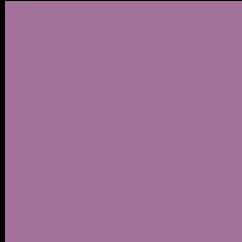
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 54, 31.838, 330.875 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

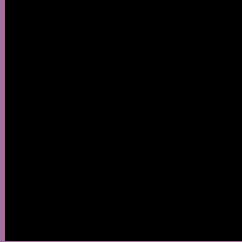
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 54, 31.838, 330.875

Background



This preview shows how black text looks on a background with the CIELCh color 54, 31.838, 330.875.



This preview shows how white text looks on a background with the CIELCh color 54, 31.838, 330.875.

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


54, 31.838, 330.875

Protanopia

54, 22.596, 285.049

Deuteranopia

54, 16.269, 297.285



Tritanopia
54, 17.926, 4.924

Trichromacy



Original Color
54, 31.838, 330.875

Protanomaly
54, 24.254, 304.013

Deuteranomaly
54, 21.229, 313.988

Tritanomaly
54, 22.115, 347.458

Monochromacy



Original Color
54, 31.838, 330.875

Achromatopsia
56, 0.007, 296.813

Achromatomaly
55, 11.860, 329.854

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 31.838, 330.875 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(164, 112, 156)` looks like.

```
.text, #text, p{  
    color:rgb(164, 112, 156)  
}
```

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(164, 112, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 112, 156) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 31.838, 330.875 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(164, 112, 156) }
```

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

```
.border{ border-color:rgb(164, 112, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 112, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 112, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 112, 156);  
box-shadow:4px 4px 4px 4px rgb(164, 112,  
156) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 31.838, 330.875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 112, 156) }
```

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

```
.background{ background-color: rgb(164,  
112, 156) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor