

Converting Colors

CIELCh(65, 9.718, 312.912)

Have a look what the booklet for
CIELCh(65, 9.718, 312.912) contains.

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Color

CIELCh(65, 9.704, 313.683)

Conversions

Conversions Part 1

Format	Color
Hex	A49AAA
RGB	164, 154, 170
RGB Percent	64%, 60%, 67%
CMY	0.3557, 0.3949, 0.3321
CMYK	0.04, 0.09, 0.00, 0.33
HSL	277°, 9%, 64%
HSV	277°, 9%, 67%
XYZ	34.2605, 34.0472, 42.9456
YIQ	158.8140, 0.8240, 7.0960

Conversions

Conversions Part 2

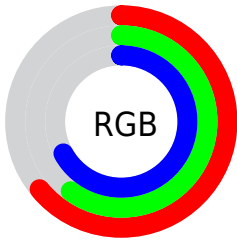
Format	Color
RYB	164, 154, 170
Decimal	10787498
CIELab	65.00, 6.70, -7.02
CIElCh	65, 9.704, 313.683
Yxy	34.0472, 0.3080, 0.3060
Android (android.graphics.Color)	4288977578 (0xFFA49AAA)
YUV	158.8140, 5.5147, 4.5481
Hunter-Lab	58.3500, 2.6947, -2.7925

Details

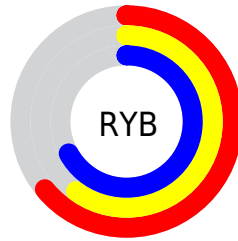
The CIELCh color $65, 9.704, 313.683$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $69, 9.605, 132.936$, and the grayscale version is $66, 0.008, 296.813$.

A 20% lighter version of the original color is $85, 9.819, 314.329$, and $45, 9.699, 312.985$ is the 20% darker color. If you saturate the color by 10%, you get $60, 20.252, 314.121$, and if you desaturate by 10%, it is $70, 0.607, 133.520$.

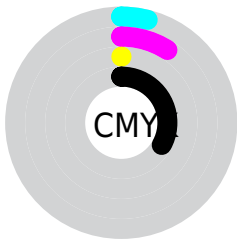
Distribution



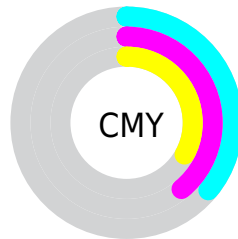
- Red (64%)
- Green (60%)
- Blue (67%)



- Red (64%)
- Yellow (60%)
- Blue (67%)



- Cyan (4%)
- Magenta (9%)
- Yellow (0%)
- Black (33%)



- Cyan (36%)
- Magenta (39%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 9.704, 313.683 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 65, 9.704, 313.683 by changing the saturation by 10% instead.

65, 9.704, 313.683

65, 9.704, 313.683

100, 9.704,
313.683

55, 9.704, 313.683

85, 9.704, 313.683

45, 9.704, 313.683

95, 9.704, 313.683

35, 9.704, 313.683

25, 9.704, 313.683

15, 9.704, 313.683

5, 9.704, 313.683

0, 9.704, 313.683

65, 9.704, 313.683

65, 9.704, 313.683

60, 20.252,

70, 0.607, 133.520

314.121

75, 10.640,
132.925

55, 30.978,
314.569

80, 20.386,
132.574

50, 41.762,
315.013

85, 29.843,
132.261

46, 52.408,
315.425

90, 39.019,
131.982

41, 62.613,
315.767

95, 47.070,
131.541

38, 71.940,
315.981

95, 46.089,
129.011

34, 79.828,
315.997

96, 45.198,
126.329

32, 85.688,
315.733

96, 44.409,
123.500

30, 89.533,
315.201

Harmonies

Complementary

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



65, 9.704, 313.683



69, 9.605, 132.936

Rectangle

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



65, 9.704, 313.683



65, 9.704, 3.683



65, 9.704, 133.683



65, 9.704, 183.683

Sweetspot

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



65, 9.702, 313.681



87, 3.817, 313.389



66, 5.878, 268.188



46, 2.918, 313.431



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



65, 9.702, 313.681



82, 14.113, 313.760



65, 9.949, 328.297



33, 5.786, 313.676



25, 80.850, 315.293



1, 10.258, 310.693

Inverse Universe

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



65, 7.020, 351.772



82, 10.221, 351.956



68, 9.927, 147.239



33, 4.186, 351.760



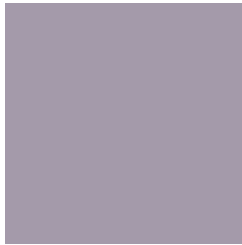
31, 56.661, 13.042



2, 7.298, 354.397

Previews

White Background



This preview shows how the CIELCh color 65, 9.704, 313.683 looks on a white 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

Black Background



This preview shows how the CIELCh color 65, 9.704, 313.683 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

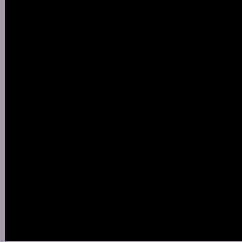
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

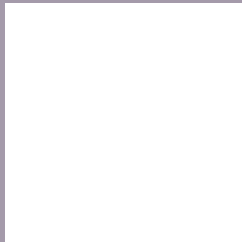
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 65, 9.704, 313.683

Background



This preview shows how black text looks on a background with the CIELCh color 65, 9.704, 313.683.



This preview shows how white text looks on a background with the CIELCh color 65, 9.704, 313.683.

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


65, 9.704, 313.683

Protanopia

65, 8.344, 288.545

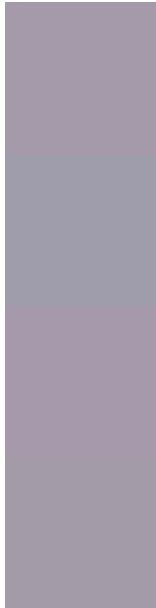
Deuteranopia

65, 11.357, 318.577



Tritanopia
65, 7.524, 317.572

Trichromacy



Original Color
65, 9.704, 313.683

Protanomaly
65, 8.440, 298.605

Deuteranomaly
65, 11.189, 316.855

Tritanomaly
65, 8.021, 315.786

Monochromacy



Original Color
65, 9.704, 313.683

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 3.684, 314.777

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 9.704, 313.683 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, 154, 170)` looks like.

```
.text, #text, p{  
    color:rgb(164, 154, 170)  
}
```

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, 154, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 154, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 9.704, 313.683 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, 154, 170) }
```

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

```
.border{ border-color:rgb(164, 154, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 154, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 154, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 154, 170);  
box-shadow:4px 4px 4px 4px rgb(164, 154,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 9.704, 313.683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 154, 170) }
```

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

```
.background{ background-color: rgb(164,  
154, 170) }
```

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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