

Converting Colors

CIELCh(75, 2.319, 200.815)

Have a look what the booklet for
CIELCh(75, 2.319, 200.815) contains.

CIELCh(75, 2.204, 199.465)	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(75, 2.204, 199.465)

Conversions

Conversions Part 1

Format	Color
Hex	B4BABA
RGB	180, 186, 186
RGB Percent	71%, 73%, 73%
CMY	0.2947, 0.2712, 0.2712
CMYK	0.03, 0.00, 0.00, 0.27
HSL	180°, 4%, 72%
HSV	180°, 3%, 73%
XYZ	45.1614, 48.2781, 53.3083
YIQ	184.2060, -3.5760, -1.2720

Conversions

Conversions Part 2

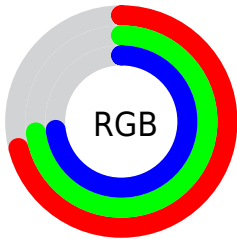
Format	Color
R_{YB}	180, 183, 186
Decimal	11844282
CIE Lab	75.00, -2.08, -0.73
CIE LCh	75, 2.204, 199.465
Yxy	48.2781, 0.3077, 0.3290
Android (android.graphics.Color)	4290034362 (0xFFB4BABA)
YUV	184.2060, 0.8844, -3.6887
Hunter-Lab	69.4824, -5.5748, 3.1492

Details

The CIELCh color $75, 2.204, 199.465$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $74, 2.251, 19.324$, and the grayscale version is $75, 0.009, 296.813$.

A 20% lighter version of the original color is $95, 2.101, 199.570$, and $55, 2.339, 199.340$ is the 20% darker color. If you saturate the color by 10%, you get $74, 8.818, 198.715$, and if you desaturate by 10%, it is $76, 4.719, 19.636$.

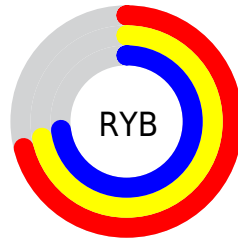
Distribution



Red (71%)

Green (73%)

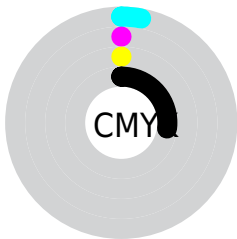
Blue (73%)



Red (71%)

Yellow (72%)

Blue (73%)

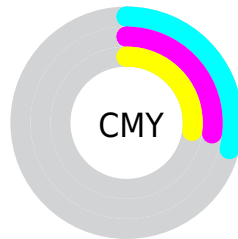


Cyan (3%)

Magenta (0%)

Yellow (0%)

Black (27%)



Cyan (29%)

Magenta (27%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 75, 2.204, 199.465 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 75, 2.204, 199.465 by changing the saturation by 10% instead.

 75, 2.204, 199.465

 75, 2.204, 199.465

 100, 2.204,
199.465

 65, 2.204, 199.465

 95, 2.204, 199.465

 55, 2.204, 199.465

 45, 2.204, 199.465

 35, 2.204, 199.465

 25, 2.204, 199.465

 15, 2.204, 199.465

 5, 2.204, 199.465

 0, 2.204, 199.465

 75, 2.204, 199.465

 75, 2.204, 199.465

74, 8.818, 198.715

76, 4.719, 19.636

72, 15.017,
198.202

78, 11.866, 20.290

71, 20.694,
197.751

80, 19.158, 20.912

71, 25.742,
197.359

82, 26.534, 21.536

70, 30.062,
197.030

82, 26.854, 21.553

69, 33.578,
196.764

82, 26.854, 21.543

69, 36.247,
196.563

82, 26.853, 21.532

69, 38.074,
196.424

82, 26.853, 21.522

69, 39.117,
196.343

82, 26.852, 21.512

Harmonies

Complementary

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



75, 2.204, 199.465



74, 2.251, 19.324

Rectangle

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



75, 2.204, 199.465



75, 2.204, 249.465



75, 2.204, 19.465



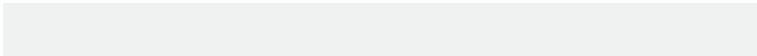
75, 2.204, 69.465

Sweetspot

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



75, 2.205, 199.422



95, 0.850, 200.056



75, 3.927, 143.886



51, 0.487, 200.100



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



75, 2.205, 199.422



95, 3.382, 199.328



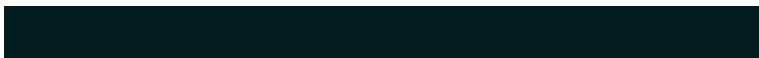
74, 1.929, 254.165



39, 1.910, 199.271



58, 34.656, 196.309



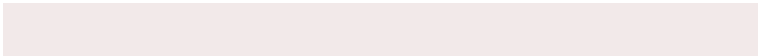
8, 10.520, 197.680

Inverse Universe

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



74, 2.251, 19.324



93, 3.469, 19.423



74, 1.933, 73.027



37, 1.966, 19.484



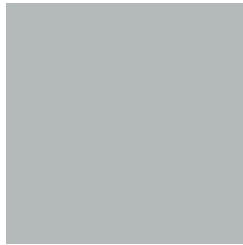
32, 71.851, 39.579



2, 10.638, 19.374

Previews

White Background



This preview shows how the CIE LCh color 75, 2.204, 199.465 looks on a white background.

Color Contrast Check

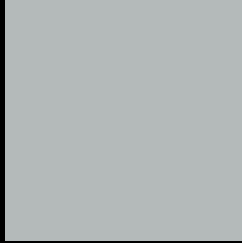
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 75, 2.204, 199.465 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

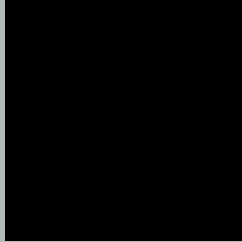
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

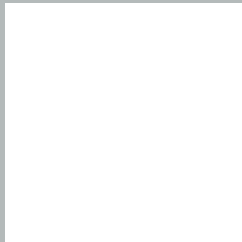
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 75, 2.204, 199.465

Background



This preview shows how black text looks on a background with the CIELCh color 75, 2.204, 199.465.

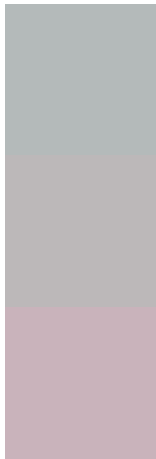


This preview shows how white text looks on a background with the CIELCh color 75, 2.204, 199.465.

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


75, 2.204, 199.465

Protanopia

75, 1.592, 359.414

Deuteranopia

75, 9.324, 352.678



Tritanopia
75, 7.585, 285.473

Trichromacy



Original Color
75, 2.204, 199.465

Protanomaly
75, 0.009, 296.813

Deuteranomaly
75, 5.544, 344.088

Tritanomaly
75, 5.047, 274.002

Monochromacy



Original Color
75, 2.204, 199.465

Achromatopsia
75, 0.009, 296.813

Achromatomaly
75, 1.107, 199.786

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 2.204, 199.465 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(180, 186, 186)` looks like.

```
.text, #text, p{  
    color:rgb(180, 186, 186)  
}
```

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(180, 186, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 186, 186) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 2.204, 199.465 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(180, 186, 186) }
```

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

```
.border{ border-color:rgb(180, 186, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 186, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 186, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 186, 186);  
box-shadow:4px 4px 4px 4px rgb(180, 186,  
186) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 2.204, 199.465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 186, 186) }
```

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

```
.background{ background-color: rgb(180,  
186, 186) }
```

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