

Converting Colors

CIELCh(64, 2.786, 209.613)

Have a look what the booklet for
CIELCh(64, 2.786, 209.613) contains.

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Color

CIELCh(64, 3.021, 199.283)

Conversions

Conversions Part 1

Format	Color
Hex	959D9D
RGB	149, 157, 157
RGB Percent	58%, 62%, 62%
CMY	0.4168, 0.3854, 0.3855
CMYK	0.05, 0.00, 0.00, 0.39
HSL	180°, 4%, 60%
HSV	180°, 5%, 61%
XYZ	30.4099, 32.8017, 36.4960
YIQ	154.6080, -4.7680, -1.6960

Conversions

Conversions Part 2

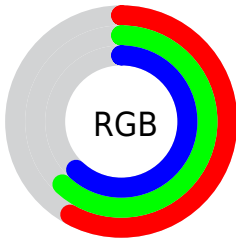
Format	Color
RYB	149, 153, 157
Decimal	9805213
CIELab	64.00, -2.85, -1.00
CIElCh	64, 3.021, 199.283
Yxy	32.8017, 0.3050, 0.3290
Android (android.graphics.Color)	4287995293 (0xFF959D9D)
YUV	154.6080, 1.1793, -4.9182
Hunter-Lab	57.2727, -5.4497, 2.3094

Details

The CIELCh color $64, 3.021, 199.283$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $62, 3.118, 19.536$, and the grayscale version is $64, 0.008, 296.813$.

A 20% lighter version of the original color is $84, 3.220, 199.350$, and $44, 3.227, 199.123$ is the 20% darker color. If you saturate the color by 10%, you get $63, 8.720, 198.641$, and if you desaturate by 10%, it is $65, 2.959, 19.497$.

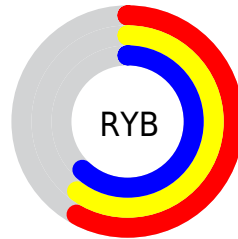
Distribution



Red (58%)

Green (62%)

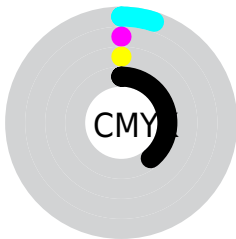
Blue (62%)



Red (58%)

Yellow (60%)

Blue (62%)

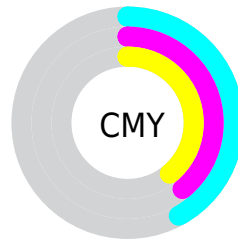


Cyan (5%)

Magenta (0%)

Yellow (0%)

Black (39%)



Cyan (42%)

Magenta (39%)

Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 3.021, 199.283 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 64, 3.021, 199.283 by changing the saturation by 10% instead.

■ 64, 3.021, 199.283

■ 64, 3.021, 199.283

■ 100, 3.021,
199.283

■ 54, 3.021, 199.283

■ 84, 3.021, 199.283

■ 44, 3.021, 199.283

■ 94, 3.021, 199.283

■ 34, 3.021, 199.283

■ 24, 3.021, 199.283

■ 14, 3.021, 199.283

■ 4, 3.021, 199.283

■ 0, 3.021, 199.283

■ 64, 3.021, 199.283

■ 64, 3.021, 199.283

■ 63, 8.720, 198.641

■ 65, 2.959, 19.497

62, 14.047,
198.146

67, 9.145, 20.177

61, 18.912,
197.711

68, 15.469, 20.791

60, 23.223,
197.333

70, 21.875, 21.406

60, 26.898,
197.017

73, 34.766, 22.641

59, 29.877,
196.763

75, 39.794, 23.121

59, 32.127,
196.572

75, 39.794, 23.117

59, 33.656,
196.443

75, 39.793, 23.114

58, 34.524,
196.367

Harmonies

Complementary

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



64, 3.021, 199.283



62, 3.118, 19.536

Rectangle

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



64, 3.021, 199.283



64, 3.021, 249.283



64, 3.021, 19.283



64, 3.021, 69.283

Sweetspot

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



64, 3.022, 199.256



82, 1.477, 199.648



64, 5.415, 143.761



43, 0.838, 199.679



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



64, 3.022, 199.256



81, 4.393, 199.177



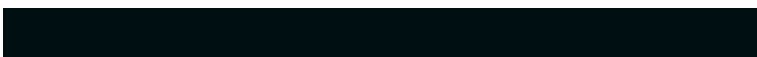
63, 2.649, 254.326



33, 2.353, 199.151



54, 32.551, 196.340



3, 4.473, 199.390

Inverse Universe

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



62, 3.118, 19.536



79, 4.561, 19.625



63, 2.674, 72.880



32, 2.448, 19.655



29, 67.081, 39.149



1, 4.473, 19.380

Previews

White Background



This preview shows how the CIELCh color 64, 3.021, 199.283 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 64, 3.021, 199.283 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

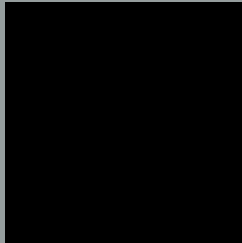
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

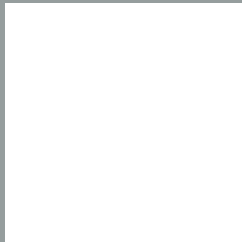
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 3.021, 199.283

Background



This preview shows how black text looks on a background with the CIELCh color 64, 3.021, 199.283.



This preview shows how white text looks on a background with the CIELCh color 64, 3.021, 199.283.

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

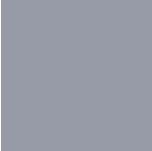
64, 3.021, 199.283

Protanopia

64, 1.289, 353.560

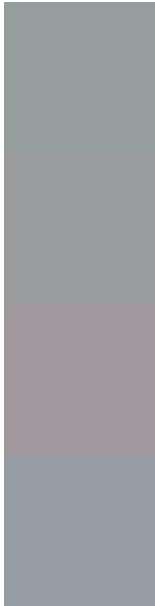
Deuteranopia

64, 8.274, 347.644



Tritanopia
64, 6.908, 275.444

Trichromacy



Original Color
64, 3.021, 199.283

Protanomaly
64, 0.676, 256.021

Deuteranomaly
64, 4.833, 335.986

Tritanomaly
64, 4.460, 260.556

Monochromacy



Original Color
64, 3.021, 199.283

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 1.143, 199.700

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 3.021, 199.283 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(149, 157, 157)` looks like.

```
.text, #text, p{  
    color:rgb(149, 157, 157)  
}
```

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(149, 157, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 157, 157) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 3.021, 199.283 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(149, 157, 157) }
```

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

```
.border{ border-color:rgb(149, 157, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 157, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 157, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 157, 157);  
box-shadow:4px 4px 4px 4px rgb(149, 157,  
157) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 3.021, 199.283 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 157, 157) }
```

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

```
.background{ background-color: rgb(149,  
157, 157) }
```

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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