

Converting Colors

CIELCh(64, 12.493, 243.992)

Have a look what the booklet for
CIELCh(64, 12.493, 243.992)
contains.

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Color

CIELCh(64, 12.521, 244.519)

Conversions

Conversions Part 1

Format	Color
Hex	859FAF
RGB	133, 159, 175
RGB Percent	52%, 62%, 69%
CMY	0.4791, 0.3771, 0.3144
CMYK	0.24, 0.09, 0.00, 0.31
HSL	203°, 21%, 60%
HSV	203°, 24%, 69%
XYZ	29.7386, 32.8017, 45.2350
YIQ	153.0500, -20.6320, -0.5360

Conversions

Conversions Part 2

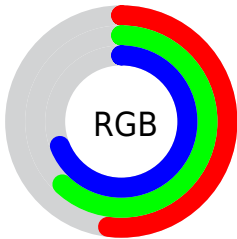
Format	Color
RYB	133, 149, 175
Decimal	8757167
CIELab	64.00, -5.39, -11.30
CIELCh	64, 12.521, 244.519
Yxy	32.8017, 0.2759, 0.3044
Android (android.graphics.Color)	4286947247 (0xFF859FAF)
YUV	153.0500, 10.8214, -17.5838
Hunter-Lab	57.2727, -7.5419, -6.7373

Details

The CIELCh color `64, 12.521, 244.519` is a light color, and the websafe version is hex `999999`. A complement of this color would be `64, 13.998, 59.308`, and the grayscale version is `63, 0.008, 296.813`.

A 20% lighter version of the original color is `84, 12.588, 244.549`, and `44, 12.719, 243.871` is the 20% darker color. If you saturate the color by 10%, you get `61, 17.378, 246.196`, and if you desaturate by 10%, it is `67, 7.435, 243.153`.

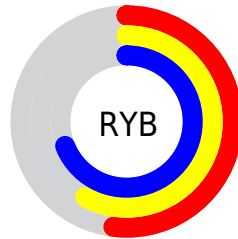
Distribution



Red (52%)

Green (62%)

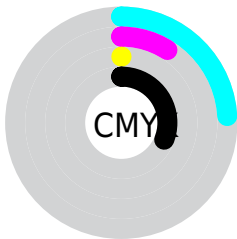
Blue (69%)



Red (52%)

Yellow (58%)

Blue (69%)

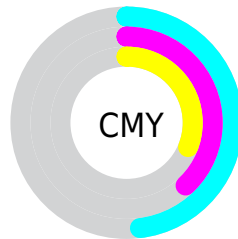


Cyan (24%)

Magenta (9%)

Yellow (0%)

Black (31%)



Cyan (48%)


Magenta (38%)


Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 12.521, 244.519 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, 12.521, 244.519 by changing the saturation by 10% instead.


 64, 12.521,
244.519

 64, 12.521,
244.519


 100, 12.521,
244.519


 54, 12.521,
244.519


 84, 12.521,
244.519

 44, 12.521,
244.519

 94, 12.521,
244.519

 34, 12.521,
244.519

 24, 12.521,
244.519

 14, 12.521,
244.519

 4, 12.521, 244.519

 0, 12.521, 244.519

64, 12.521,
244.519

64, 12.521,
244.519

61, 17.378,
246.196

67, 7.435, 243.153

58, 21.963,
248.261

70, 2.165, 242.155

73, 3.247, 60.903

55, 26.243,
250.784

76, 8.765, 60.209

53, 30.204,
253.840

80, 14.356, 59.581

83, 19.996, 59.046

50, 33.863,
257.487

86, 25.589, 58.714

48, 37.285,
261.736

88, 26.004, 67.784

89, 27.055, 76.327

45, 40.584,
266.515

44, 42.602,

Harmonies

Complementary

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



64, 12.521, 244.519



64, 13.998, 59.308

Rectangle

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



64, 12.521, 244.519



64, 12.521, 294.519



64, 12.521, 64.519



64, 12.521, 114.519

Sweetspot

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



64, 12.520, 244.513



88, 4.639, 242.401



68, 21.646, 155.193



47, 3.036, 242.456



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



64, 12.520, 244.513



79, 18.491, 245.393



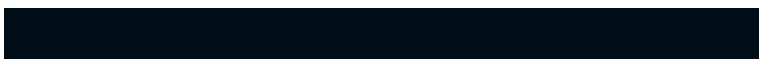
58, 20.723, 287.161



35, 3.004, 242.618



38, 37.805, 268.724



3, 6.733, 252.847

Inverse Universe

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



60, 21.746, 339.595



74, 32.495, 340.077



69, 19.946, 101.544



34, 5.042, 338.392



33, 59.658, 350.766



2, 9.869, 342.407

Previews

White Background



This preview shows how the CIELCh color 64, 12.521, 244.519 looks on a white background.

Color Contrast Check

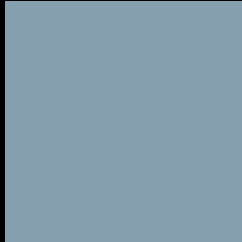
Large Text (above 18pt) WCAG AA × Fail

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 64, 12.521, 244.519 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

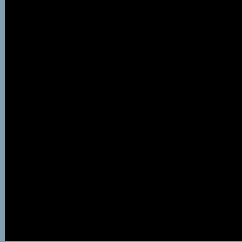
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

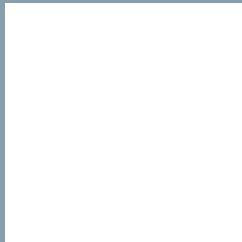
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 12.521, 244.519

Background



This preview shows how black text looks on a background with the CIELCh color 64, 12.521, 244.519.




This preview shows how white text looks on a background with the CIELCh color 64, 12.521, 244.519.

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





Tritanopia
64, 11.765, 237.004

Trichromacy



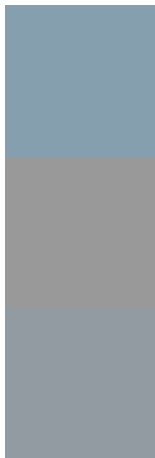
Original Color
64, 12.521, 244.519

Protanomaly
64, 10.053, 270.211

Deuteranomaly
64, 12.330, 284.803

Tritanomaly
64, 12.078, 239.265

Monochromacy



Original Color
64, 12.521, 244.519

Achromatopsia
63, 0.008, 296.813

Achromatomaly
63, 4.688, 244.988

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 12.521, 244.519 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(133, 159, 175)` looks like.

```
.text, #text, p{  
    color:rgb(133, 159, 175)  
}
```

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(133, 159, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 159, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 12.521, 244.519 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(133, 159, 175) }
```

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

```
.border{ border-color:rgb(133, 159, 175) }
```

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

Here you see how a box with a 4 pixel rgb(133, 159, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 159, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 159, 175);  
box-shadow:4px 4px 4px 4px rgb(133, 159,  
175) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 12.521, 244.519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 159, 175) }
```

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

```
.background{ background-color: rgb(133,  
159, 175) }
```

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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