

Converting Colors

CIELCh(65, 13.407, 253.897)

Have a look what the booklet for
CIELCh(65, 13.407, 253.897)
contains.

CIELCh(65, 13.237, 252.180)	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(65, 13.237, 252.180)

Conversions

Conversions Part 1

Format	Color
Hex	89A1B4
RGB	137, 161, 180
RGB Percent	54%, 63%, 71%
CMY	0.4632, 0.3691, 0.2946
CMYK	0.24, 0.11, 0.00, 0.29
HSL	207°, 22%, 62%
HSV	207°, 24%, 71%
XYZ	31.2474, 34.0472, 48.0400
YIQ	155.9900, -20.4030, 0.8210

Conversions

Conversions Part 2

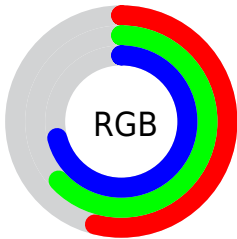
Format	Color
RYB	137, 152, 180
Decimal	9019828
CIELab	65.00, -4.05, -12.60
CIElCh	65, 13.237, 252.180
Yxy	34.0472, 0.2757, 0.3004
Android (android.graphics.Color)	4287209908 (0xFF89A1B4)
YUV	155.9900, 11.8369, -16.6542
Hunter-Lab	58.3500, -6.5225, -7.9689

Details

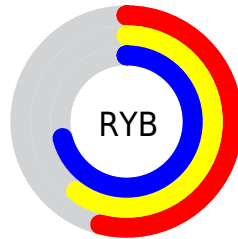
The CIELCh color `65, 13.237, 252.180` is a light color, and the websafe version is hex `999999`. A complement of this color would be `66, 14.441, 66.185`, and the grayscale version is `64, 0.008, 296.813`.

A 20% lighter version of the original color is `85, 13.262, 251.767`, and `45, 13.048, 250.116` is the 20% darker color. If you saturate the color by 10%, you get `62, 18.526, 254.028`, and if you desaturate by 10%, it is `68, 7.786, 250.648`.

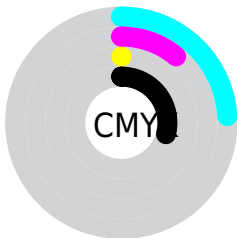
Distribution



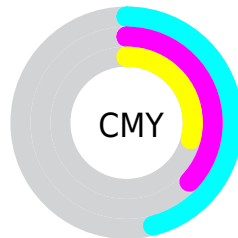
- Red (54%)
- Green (63%)
- Blue (71%)



- Red (54%)
- Yellow (60%)
- Blue (71%)



- Cyan (24%)
- Magenta (11%)
- Yellow (0%)
- Black (29%)





- Cyan (46%)
- Magenta (37%)
- Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 13.237, 252.180 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, 13.237, 252.180 by changing the saturation by 10% instead.


 65, 13.237,
252.180


 65, 13.237,
252.180


 100, 13.237,
252.180


 55, 13.237,
252.180


 85, 13.237,
252.180

 45, 13.237,
252.180

 95, 13.237,
252.180

 35, 13.237,
252.180

 25, 13.237,
252.180

 15, 13.237,
252.180

 5, 13.237, 252.180

 0, 13.237, 252.180

65, 13.237,
252.180

65, 13.237,
252.180

62, 18.526,
254.028

68, 7.786, 250.648

58, 23.626,
256.263

72, 2.209, 249.480

75, 3.462, 68.113

55, 28.516,
258.946

79, 9.199, 67.266

52, 33.197,
262.139

82, 14.976, 66.502

86, 20.772, 65.841

49, 37.704,
265.874

89, 24.457, 70.430

46, 42.107,
270.132

91, 26.036, 80.923

93, 28.384, 89.881

44, 46.516,
274.805

42, 49.290,

277.634

Harmonies

Complementary

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



65, 13.237, 252.180



66, 14.441, 66.185

Rectangle

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



65, 13.237, 252.180



65, 13.237, 302.180



65, 13.237, 72.180



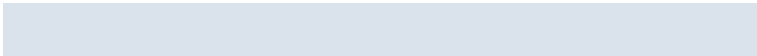
65, 13.237, 122.180

Sweetspot

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



65, 13.236, 252.175



90, 4.900, 249.793



70, 20.943, 158.214



47, 3.179, 249.859



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



65, 13.236, 252.175



81, 19.787, 253.168



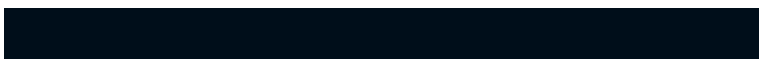
59, 22.746, 290.242



36, 3.167, 250.050



36, 43.251, 276.962



4, 8.369, 260.932

Inverse Universe

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



62, 21.266, 342.619



76, 32.081, 343.160



72, 21.689, 104.939



35, 4.949, 341.326



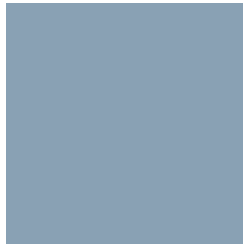
33, 58.849, 356.016



2, 10.988, 346.607

Previews

White Background



This preview shows how the CIE LCh color 65, 13.237, 252.180 looks on a white background.

Color Contrast Check

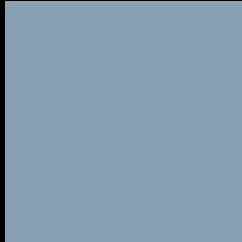
Large Text (above 18pt) WCAG AA × Fail

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, 13.237, 252.180 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

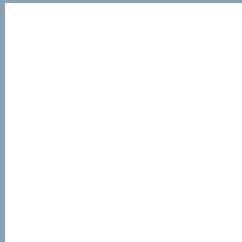
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 65, 13.237, 252.180

Background



This preview shows how black text looks on a background with the CIELCh color 65, 13.237, 252.180.



This preview shows how white text looks on a background with the CIELCh color 65, 13.237, 252.180.

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

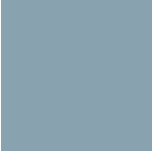
65, 13.237, 252.180

Protanopia

65, 11.698, 287.881

Deuteranopia

65, 15.293, 301.239



Tritanopia
65, 11.478, 237.999

Trichromacy



Original Color
65, 13.237, 252.180

Protanomaly
65, 11.591, 273.445

Deuteranomaly
65, 13.424, 283.972

Tritanomaly
65, 12.137, 242.426

Monochromacy



Original Color
65, 13.237, 252.180

Achromatopsia
64, 0.008, 296.813

Achromatomaly
65, 5.072, 249.579

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 13.237, 252.180 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(137, 161, 180)` looks like.

```
.text, #text, p{  
    color:rgb(137, 161, 180)  
}
```

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(137, 161, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 161, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 13.237, 252.180 is called "border". The border property can be set on classes, ids or directly on the HTML element.

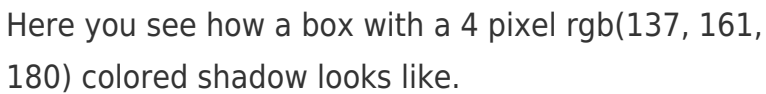
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(137, 161, 180) }
```

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

```
.border{ border-color:rgb(137, 161, 180) }
```

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



Here you see how a box with a 4 pixel `rgb(137, 161, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 161, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 161, 180);  
box-shadow:4px 4px 4px 4px rgb(137, 161,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 13.237, 252.180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 161, 180) }
```

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

```
.background{ background-color: rgb(137,  
161, 180) }
```

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