

Converting Colors

CIELCh(50, 13.276, 270.851)

Have a look what the booklet for
CIELCh(50, 13.276, 270.851)
contains.

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Color

CIELCh(50, 13.017, 270.503)

Conversions

Conversions Part 1

Format	Color
Hex	6B788D
RGB	107, 120, 141
RGB Percent	42%, 47%, 55%
CMY	0.5811, 0.5301, 0.4478
CMYK	0.24, 0.15, 0.00, 0.45
HSL	217°, 14%, 49%
HSV	217°, 24%, 55%
XYZ	17.5275, 18.4187, 27.7541
YIQ	118.5070, -14.4890, 3.7750

Conversions

Conversions Part 2

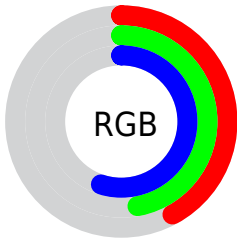
Format	Color
R_{YB}	107, 116, 141
Decimal	7043213
CIE Lab	50.00, 0.11, -13.02
CIE LCh	50, 13.017, 270.503
Yxy	18.4187, 0.2752, 0.2891
Android (android.graphics.Color)	4285233293 (0xFF6B788D)
YUV	118.5070, 11.0890, -10.0916
Hunter-Lab	42.9170, -2.2045, -8.3005

Details

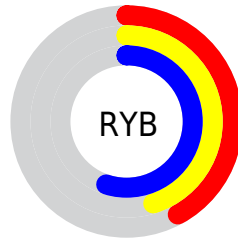
The CIELCh color $50, 13.017, 270.503$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $54, 13.281, 83.961$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $70, 13.267, 271.464$, and $30, 12.917, 270.122$ is the 20% darker color. If you saturate the color by 10%, you get $46, 18.485, 272.364$, and if you desaturate by 10%, it is $54, 7.593, 268.910$.

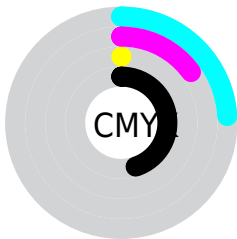
Distribution



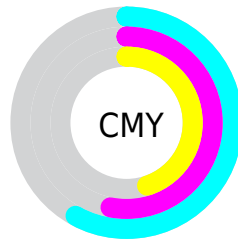
- Red (42%)
- Green (47%)
- Blue (55%)



- Red (42%)
- Yellow (45%)
- Blue (55%)



- Cyan (24%)
- Magenta (15%)
- Yellow (0%)
- Black (45%)





- Cyan (58%)
- Magenta (53%)
- Yellow (45%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 13.017, 270.503 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 50, 13.017, 270.503 by changing the saturation by 10% instead.


 50, 13.017,
270.503


 50, 13.017,
270.503


 100, 13.017,
270.503


 40, 13.017,
270.503


 70, 13.017,
270.503


 30, 13.017,
270.503


 80, 13.017,
270.503


 20, 13.017,
270.503

 90, 13.017,
270.503

 10, 13.017,
270.503

 0, 13.017, 270.503

 50, 13.017,
270.503

 50, 13.017,
270.503

46, 18.485,
272.364

54, 7.593, 268.910

43, 24.001,
274.544

57, 2.218, 267.603

61, 3.106, 86.250

40, 29.578,
277.078

64, 8.373, 85.263

36, 35.236,
279.992

68, 13.578, 84.372

71, 18.717, 83.585

33, 41.006,
283.280

75, 23.787, 82.886

30, 46.920,
286.882

78, 28.786, 82.263

82, 33.711, 81.704

27, 52.979,
290.658

25, 56.598,
292.713

Harmonies

Complementary

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



50, 13.017, 270.503



54, 13.281, 83.961

Rectangle

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



50, 13.017, 270.503



50, 13.017, 320.503



50, 13.017, 90.503



50, 13.017, 140.503

Sweetspot

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



50, 13.016, 270.500



72, 4.656, 267.955



56, 15.077, 168.236



37, 3.015, 268.015



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



50, 13.016, 270.500



62, 19.461, 271.486



47, 20.274, 296.940



28, 3.061, 268.219



24, 54.716, 292.555



1, 2.061, 267.000

Inverse Universe

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



49, 15.832, 352.838



60, 23.753, 353.490



57, 19.215, 112.906



28, 3.667, 351.265



28, 52.932, 11.861



1, 2.441, 350.504

Previews

White Background



This preview shows how the CIELCh color 50, 13.017, 270.503 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 50, 13.017, 270.503 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

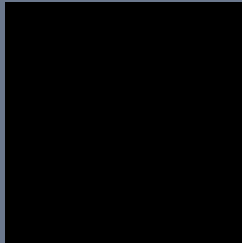
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

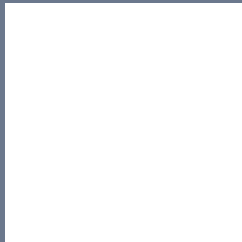
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 13.017, 270.503

Background



This preview shows how black text looks on a background with the CIELCh color 50, 13.017, 270.503.



This preview shows how white text looks on a background with the CIELCh color 50, 13.017, 270.503.

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

50, 13.017, 270.503

Protanopia

50, 12.320, 286.568

Deuteranopia

50, 15.308, 296.295



Tritanopia
50, 8.255, 244.321

Trichromacy



Original Color
50, 13.017, 270.503

Protanomaly
50, 12.485, 279.842

Deuteranomaly
50, 14.652, 289.189

Tritanomaly
50, 9.751, 256.496

Monochromacy



Original Color
50, 13.017, 270.503

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 4.501, 265.137

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 13.017, 270.503 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(107, 120, 141)` looks like.

```
.text, #text, p{  
    color:rgb(107, 120, 141)  
}
```

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(107, 120, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 120, 141) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 13.017, 270.503 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(107, 120, 141) }
```

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

```
.border{ border-color:rgb(107, 120, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 120, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 120, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 120, 141);  
box-shadow:4px 4px 4px 4px rgb(107, 120,  
141) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 13.017, 270.503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 120, 141) }
```

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

```
.background{ background-color: rgb(107,  
120, 141) }
```

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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