

Converting Colors

CIELCh(51, 7.001, 352.493)

Have a look what the booklet for
CIELCh(51, 7.001, 352.493) contains.

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Color

CIELCh(51, 6.746, 354.675)

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | 85767B |
| RGB | 133, 118, 123 |
| RGB Percent | 52%, 46%, 48% |
| CMY | 0.4797, 0.5384, 0.5188 |
| CMYK | 0.00, 0.11, 0.08, 0.48 |
| HSL | 340°, 6%, 49% |
| HSV | 340°, 11%, 52% |
| XYZ | 19.6221, 19.2686, 21.3232 |
| YIQ | 123.0550, 7.3350, 4.7350 |

Conversions

Conversions Part 2

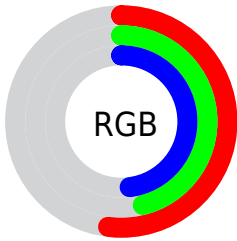
| Format | Color |
|-------------------------------------|------------------------------|
| R_{YB} | 133, 118, 123 |
| Decimal | 8746619 |
| CIE Lab | 51.00, 6.72, -0.63 |
| CIE LCh | 51, 6.746, 354.675 |
| Yxy | 19.2686, 0.3259, 0.3200 |
| Android (android.graphics.Color) | 4286936699 (0xFF85767B) |
| YUV | 123.0550, -0.0271, 8.7218 |
| Hunter-Lab | 43.8960, 2.9737, 1.9261 |

Details

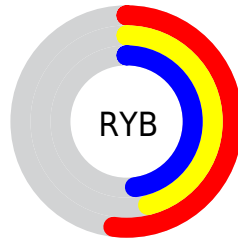
The CIELCh color $51, 6.746, 354.675$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $54, 6.560, 172.745$, and the grayscale version is $52, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 6.663, 355.836$, and $31, 6.312, 356.791$ is the 20% darker color. If you saturate the color by 10%, you get $47, 12.929, 355.757$, and if you desaturate by 10%, it is $55, 0.763, 353.360$.

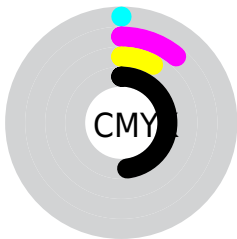
Distribution



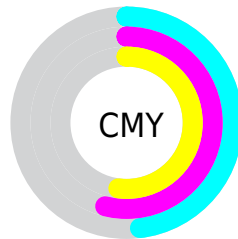
- Red (52%)
- Green (46%)
- Blue (48%)



- Red (52%)
- Yellow (46%)
- Blue (48%)



- Cyan (0%)
- Magenta (11%)
- Yellow (8%)
- Black (48%)



- Cyan (48%)
- Magenta (54%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 6.746, 354.675 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 51, 6.746, 354.675 by changing the saturation by 10% instead.

■ 51, 6.746, 354.675

■ 51, 6.746, 354.675

■ 100, 6.746,
354.675

■ 41, 6.746, 354.675

■ 71, 6.746, 354.675

■ 31, 6.746, 354.675

■ 81, 6.746, 354.675

■ 21, 6.746, 354.675

■ 91, 6.746, 354.675

■ 11, 6.746, 354.675

■ 1, 6.746, 354.675

■ 0, 6.746, 354.675

■ 51, 6.746, 354.675

■ 51, 6.746, 354.675

■ 47, 12.929,
355.757

■ 55, 0.763, 353.360

■ 59, 4.985, 173.061

43, 19.253,
356.982

63, 10.491,
172.289

40, 25.607,
358.420

67, 15.761,
171.611

37, 31.819, 0.149

71, 20.806,
170.997

34, 37.658, 2.269

75, 25.642,
170.436

31, 42.846, 4.916

29, 47.131, 8.247

79, 30.286,
169.919

28, 50.386, 12.406

83, 34.756,
169.441

27, 52.868, 16.359

87, 39.067,
168.998

Harmonies

Complementary

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



51, 6.746, 354.675



54, 6.560, 172.745

Rectangle

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



51, 6.746, 354.675



51, 6.746, 44.675



51, 6.746, 174.675



51, 6.746, 224.675

Sweetspot

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



51, 6.744, 354.682



69, 2.197, 353.776



51, 9.628, 315.110



36, 1.660, 353.878



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



51, 6.744, 354.682



64, 10.456, 354.995



52, 5.335, 35.583



26, 3.352, 354.459



27, 52.085, 16.240



0, 0.790, 353.693

Inverse Universe

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



51, 6.744, 354.682



64, 10.456, 354.995



54, 4.975, 215.913



26, 3.352, 354.459



27, 52.085, 16.240



0, 0.790, 353.693

Previews

White Background



This preview shows how the CIELCh color 51, 6.746, 354.675 looks on a white background.

Color Contrast Check

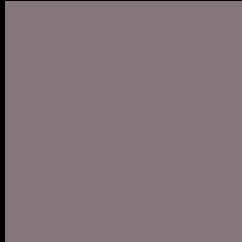
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 51, 6.746, 354.675 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

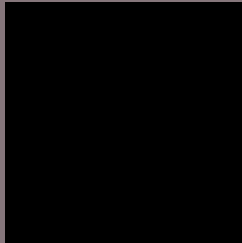
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 6.746, 354.675

Background



This preview shows how black text looks on a background with the CIELCh color 51, 6.746, 354.675.



This preview shows how white text looks on a background with the CIELCh color 51, 6.746, 354.675.

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

51, 6.746, 354.675

Protanopia

51, 2.477, 309.168

Deuteranopia

51, 6.746, 354.675



Tritanopia
51, 8.311, 341.317

Trichromacy



Original Color
51, 6.746, 354.675

Protanomaly
51, 3.666, 340.325

Deuteranomaly
51, 6.746, 354.675

Tritanomaly
51, 7.967, 344.593

Monochromacy



Original Color
51, 6.746, 354.675

Achromatopsia
52, 0.007, 296.813

Achromatomaly
51, 2.689, 353.983

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 6.746, 354.675 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, 118, 123)` looks like.

```
.text, #text, p{  
    color:rgb(133, 118, 123)  
}
```

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, 118, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 118, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 6.746, 354.675 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, 118, 123) }
```

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

```
.border{ border-color:rgb(133, 118, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 118, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 118, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 118, 123);  
box-shadow:4px 4px 4px 4px rgb(133, 118,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 6.746, 354.675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 118, 123) }
```

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

```
.background{ background-color: rgb(133,  
118, 123) }
```

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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