

Converting Colors

CIELCh(51, 13.563, 257.870)

Have a look what the booklet for
CIELCh(51, 13.563, 257.870)
contains.

CIELCh(51, 13.613, 258.306)	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(51, 13.613, 258.306)

Conversions

Conversions Part 1

Format	Color
Hex	677C90
RGB	103, 124, 144
RGB Percent	40%, 49%, 56%
CMY	0.5966, 0.5142, 0.4358
CMYK	0.28, 0.14, 0.00, 0.44
HSL	209°, 17%, 48%
HSV	209°, 28%, 56%
XYZ	17.7943, 19.2686, 29.1139
YIQ	120.0010, -18.9360, 1.7680

Conversions

Conversions Part 2

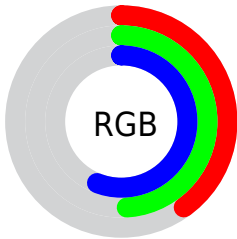
Format	Color
R_{YB}	103, 117, 144
Decimal	6782096
CIE _{Lab}	51.00, -2.76, -13.33
CIE _{LCh}	51, 13.613, 258.306
Yxy	19.2686, 0.2689, 0.2912
Android (android.graphics.Color)	4284972176 (0xFF677C90)
YUV	120.0010, 11.8315, -14.9099
Hunter-Lab	43.8960, -4.4588, -8.5966

Details

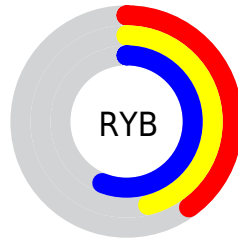
The CIELCh color $51, 13.613, 258.306$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $53, 14.771, 70.693$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 13.821, 259.846$, and $31, 13.990, 259.333$ is the 20% darker color. If you saturate the color by 10%, you get $48, 18.234, 260.327$, and if you desaturate by 10%, it is $54, 8.899, 256.605$.

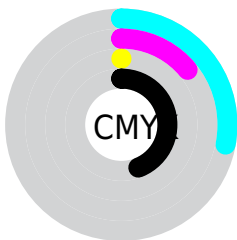
Distribution



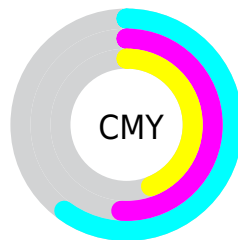
- Red (40%)
- Green (49%)
- Blue (56%)



- Red (40%)
- Yellow (46%)
- Blue (56%)



- Cyan (28%)
- Magenta (14%)
- Yellow (0%)
- Black (44%)





- Cyan (60%)
- Magenta (51%)
- Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 13.613, 258.306 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, 13.613, 258.306 by changing the saturation by 10% instead.


 51, 13.613,
258.306


 51, 13.613,
258.306


 100, 13.613,
258.306


 41, 13.613,
258.306


 71, 13.613,
258.306


 31, 13.613,
258.306


 81, 13.613,
258.306

 21, 13.613,
258.306

 91, 13.613,
258.306

 11, 13.613,
258.306

 1, 13.613, 258.306

 0, 13.613, 258.306

■ 51, 13.613,
258.306

■ 51, 13.613,
258.306

■ 48, 18.234,
260.327

■ 54, 8.899, 256.605

■ 45, 22.750,
262.733

■ 57, 4.113, 255.201

■ 60, 0.726, 73.497

■ 42, 27.159,
265.574

■ 63, 5.598, 72.809

■ 39, 31.479,
268.888

■ 66, 10.487, 71.937

■ 70, 15.378, 71.171

■ 37, 35.749,
272.679

■ 73, 20.258, 70.499

■ 34, 40.036,
276.885

■ 76, 25.117, 69.909

■ 79, 29.948, 69.386

■ 32, 44.437,
281.232

■ 32, 45.121,

281.839

Harmonies

Complementary

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



51, 13.613, 258.306



53, 14.771, 70.693

Rectangle

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



51, 13.613, 258.306



51, 13.613, 308.306



51, 13.613, 78.306



51, 13.613, 128.306

Sweetspot

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



51, 13.612, 258.303



72, 5.375, 255.287



56, 19.975, 160.258



38, 3.762, 255.459



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



51, 13.612, 258.303



63, 19.939, 259.517



45, 24.062, 292.885



29, 2.716, 255.286



30, 42.879, 281.549



1, 1.844, 254.088

Inverse Universe

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



48, 20.558, 345.498



59, 30.308, 346.163



59, 22.566, 106.794



28, 3.983, 343.683



28, 53.132, 359.684



1, 2.662, 342.993

Previews

White Background



This preview shows how the CIELCh color 51, 13.613, 258.306 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 51, 13.613, 258.306 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

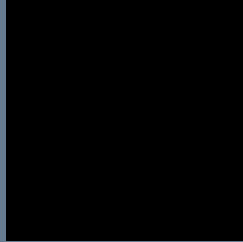
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

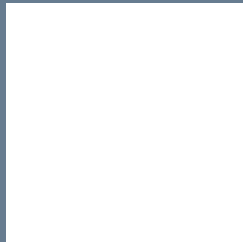
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 51, 13.613, 258.306

Background



This preview shows how black text looks on a background with the CIELCh color 51, 13.613, 258.306.



This preview shows how white text looks on a background with the CIELCh color 51, 13.613, 258.306.

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, 13.613, 258.306

Protanopia

51, 12.283, 286.539

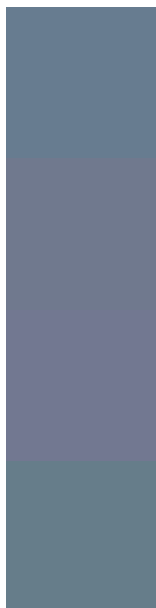
Deuteranopia

51, 15.843, 296.176



Tritanopia
51, 10.383, 233.013

Trichromacy



Original Color
51, 13.613, 258.306

Protanomaly
51, 12.599, 276.579

Deuteranomaly
51, 14.699, 283.502

Tritanomaly
51, 11.080, 242.149

Monochromacy



Original Color
51, 13.613, 258.306

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 5.342, 260.490

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 13.613, 258.306 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(103, 124, 144)` looks like.

```
.text, #text, p{  
    color:rgb(103, 124, 144)  
}
```

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(103, 124, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 124, 144) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 13.613, 258.306 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(103, 124, 144) }
```

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

```
.border{ border-color:rgb(103, 124, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 124, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 124, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 124, 144);  
box-shadow:4px 4px 4px 4px rgb(103, 124,  
144) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 13.613, 258.306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 124, 144) }
```

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

```
.background{ background-color: rgb(103,  
124, 144) }
```

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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