

Converting Colors

CIELCh(50, 18.643, 257.404)

Have a look what the booklet for
CIELCh(50, 18.643, 257.404)
contains.

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Color

CIELCh(50, 18.537, 257.856)

Conversions

Conversions Part 1

Format	Color
Hex	5B7A95
RGB	91, 122, 149
RGB Percent	36%, 48%, 58%
CMY	0.6419, 0.5203, 0.4144
CMYK	0.39, 0.18, 0.00, 0.41
HSL	208°, 24%, 47%
HSV	208°, 39%, 59%
XYZ	16.7963, 18.4187, 31.2432
YIQ	115.8090, -27.1430, 1.8250

Conversions

Conversions Part 2

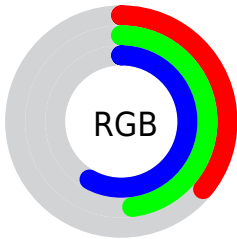
Format	Color
R _Y B	91, 111, 149
Decimal	5995157
CIE Lab	50.00, -3.90, -18.12
CIE LCh	50, 18.537, 257.856
Yxy	18.4187, 0.2527, 0.2771
Android (android.graphics.Color)	4284185237 (0xFF5B7A95)
YUV	115.8090, 16.3632, -21.7575
Hunter-Lab	42.9170, -5.2457, -13.1208

Details

The CIELCh color $50, 18.537, 257.856$ is a dark color, and the websafe version is hex 336699 . A complement of this color would be $52, 21.140, 67.135$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $70, 18.589, 258.148$, and $30, 18.249, 256.542$ is the 20% darker color. If you saturate the color by 10%, you get $47, 23.015, 260.271$, and if you desaturate by 10%, it is $53, 13.919, 255.831$.

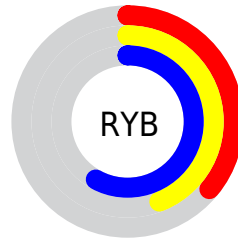
Distribution



Red (36%)

Green (48%)

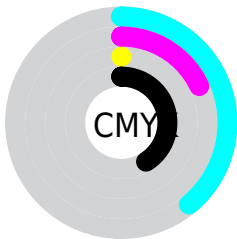
Blue (58%)



Red (36%)

Yellow (44%)

Blue (58%)

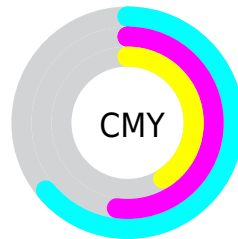


Cyan (39%)

Magenta (18%)

Yellow (0%)

Black (41%)



Cyan (64%)

Magenta (52%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 18.537, 257.856 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, 18.537, 257.856 by changing the saturation by 10% instead.

■ 50, 18.537,
257.856

■ 50, 18.537,
257.856

■ 100, 18.537,
257.856

■ 40, 18.537,
257.856

■ 70, 18.537,
257.856

■ 30, 18.537,
257.856

■ 80, 18.537,
257.856

■ 20, 18.537,
257.856

■ 90, 18.537,
257.856

■ 10, 18.537,
257.856

■ 0, 18.537, 257.856

■ 50, 18.537,
257.856

■ 50, 18.537,
257.856

47, 23.015,
260.271

53, 13.919,
255.831

44, 27.351,
263.140

56, 9.181, 254.142

41, 31.558,
266.503

59, 4.345, 252.753

62, 0.564, 70.911

39, 35.679,
270.368

65, 5.524, 70.395

36, 39.787,
274.677

68, 10.515, 69.549

72, 15.519, 68.807

34, 43.996,
279.144

75, 20.522, 68.159

34, 44.498,
279.624

78, 25.513, 67.592

Harmonies

Complementary

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



50, 18.537, 257.856



52, 21.140, 67.135

Rectangle

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



50, 18.537, 257.856



50, 18.537, 307.856



50, 18.537, 77.856



50, 18.537, 127.856

Sweetspot

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



50, 18.536, 257.854



74, 7.270, 253.190



57, 28.578, 157.466



38, 4.804, 253.345



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



50, 18.536, 257.854



61, 27.421, 260.036



42, 33.300, 293.257



30, 2.752, 252.796



31, 41.662, 279.247



1, 2.424, 251.616

Inverse Universe

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



46, 29.291, 345.395



55, 43.507, 346.499



60, 30.525, 104.273



29, 4.164, 342.522



29, 54.156, 357.764



1, 3.605, 341.842

Previews

White Background



This preview shows how the CIELCh color 50, 18.537, 257.856 looks on a white 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

Black Background



This preview shows how the CIELCh color 50, 18.537, 257.856 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

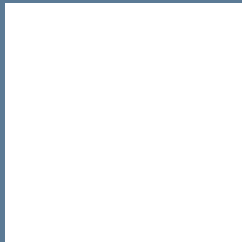
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 18.537, 257.856

Background



This preview shows how black text looks on a background with the CIELCh color 50, 18.537, 257.856.



This preview shows how white text looks on a background with the CIELCh color 50, 18.537, 257.856.

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, 18.537, 257.856

Protanopia

50, 17.042, 286.306

Deuteranopia

50, 20.518, 289.840



Tritanopia
50, 14.102, 222.885

Trichromacy



Original Color
50, 18.537, 257.856

Protanomaly
50, 17.045, 274.246

Deuteranomaly
50, 19.133, 278.892

Tritanomaly
50, 15.022, 237.250

Monochromacy



Original Color
50, 18.537, 257.856

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 7.119, 254.955

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 18.537, 257.856 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(91, 122, 149)` looks like.

```
.text, #text, p{  
    color:rgb(91, 122, 149)  
}
```

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(91, 122, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 122, 149) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 18.537, 257.856 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(91, 122, 149) }
```

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

```
.border{ border-color:rgb(91, 122, 149) }
```

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

Here you see how a box with a 4 pixel rgb(91, 122, 149) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 122, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 122, 149);  
box-shadow:4px 4px 4px 4px rgb(91, 122,  
149) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 18.537, 257.856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 122, 149) }
```

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

```
.background{ background-color: rgb(91, 122,  
149) }
```

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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