

Converting Colors

CIElCh(50, 20.333, 249.950)

Have a look what the booklet for
CIELCh(50, 20.333, 249.950)
contains.

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Color

CIELCh(50, 20.333, 249.950)

Conversions

Conversions Part 1

Format	Color
Hex	527C97
RGB	82, 124, 151
RGB Percent	32%, 49%, 59%
CMY	0.6787, 0.5140, 0.4081
CMYK	0.46, 0.18, 0.00, 0.41
HSL	203°, 30%, 46%
HSV	203°, 46%, 59%
XYZ	16.2507, 18.4187, 31.9436
YIQ	114.5200, -33.6990, -0.5070

Conversions

Conversions Part 2

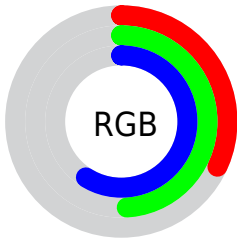
Format	Color
R_{YB}	82, 108, 151
Decimal	5405847
CIE _{Lab}	50.00, -6.97, -19.10
CIE _{LCh}	50, 20.333, 249.950
Yxy	18.4187, 0.2440, 0.2765
Android (android.graphics.Color)	4283595927 (0xFF527C97)
YUV	114.5200, 17.9846, -28.5200
Hunter-Lab	42.9170, -7.5147, -14.0884

Details

The CIELCh color **50, 20.333, 249.950** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **50, 25.359, 58.610**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 20.283, 250.673**, and **30, 20.353, 250.661** is the 20% darker color. If you saturate the color by 10%, you get **47, 24.167, 252.533**, and if you desaturate by 10%, it is **53, 16.242, 247.820**.

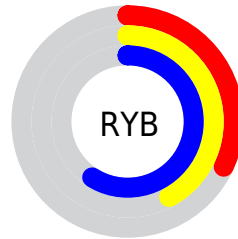
Distribution



Red (32%)

Green (49%)

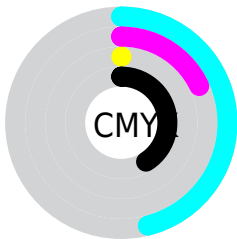
Blue (59%)



Red (32%)

Yellow (42%)

Blue (59%)

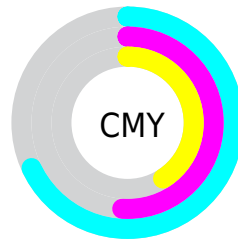


Cyan (46%)

Magenta (18%)

Yellow (0%)

Black (41%)



Cyan (68%)


Magenta (51%)


Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 20.333, 249.950 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, 20.333, 249.950 by changing the saturation by 10% instead.


 50, 20.333,
249.950


 50, 20.333,
249.950


 100, 20.333,
249.950


 40, 20.333,
249.950


 70, 20.333,
249.950

 30, 20.333,
249.950


 80, 20.333,
249.950


 20, 20.333,
249.950

 90, 20.333,
249.950

 10, 20.333,
249.950

 0, 20.333, 249.950

 50, 20.333,
249.950

 50, 20.333,
249.950

47, 24.167,
252.533

53, 16.242,
247.820

45, 27.740,
255.642

55, 11.922,
246.075

43, 31.072,
259.324

58, 7.407, 244.653

41, 34.224,
263.579

61, 2.734, 243.550

64, 2.062, 62.256

38, 37.304,
268.295

67, 6.950, 61.562

38, 38.672,
270.246

69, 11.903, 60.897

72, 16.897, 60.326

75, 21.915, 59.837

Harmonies

Complementary

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



50, 20.333, 249.950



50, 25.359, 58.610

Rectangle

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



50, 20.333, 249.950



50, 20.333, 299.950



50, 20.333, 69.950



50, 20.333, 119.950

Sweetspot

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



50, 20.332, 249.949



74, 8.194, 244.473



57, 35.529, 153.611



39, 5.684, 244.726



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



50, 20.332, 249.949



61, 29.533, 252.643



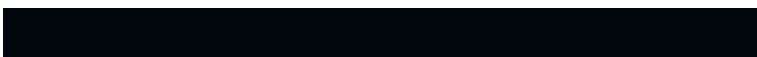
40, 37.087, 291.709



31, 2.719, 243.892



35, 36.477, 269.885



2, 2.986, 244.083

Inverse Universe

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



44, 36.175, 342.142



53, 52.901, 343.338



59, 33.914, 100.136



30, 4.511, 338.859



30, 56.462, 351.422



1, 4.799, 338.697

Previews

White Background



This preview shows how the CIE LCh color 50, 20.333, 249.950 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 50, 20.333, 249.950 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

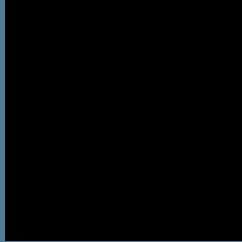
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

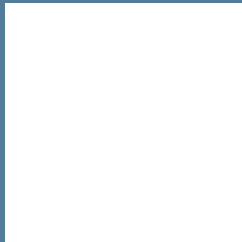
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 20.333, 249.950

Background



This preview shows how black text looks on a background with the CIELCh color 50, 20.333, 249.950.



This preview shows how white text looks on a background with the CIELCh color 50, 20.333, 249.950.

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, 20.333, 249.950

Protanopia

50, 17.042, 286.306

Deuteranopia

50, 21.695, 289.249



Tritanopia
50, 17.243, 220.005

Trichromacy



Original Color
50, 20.333, 249.950

Protanomaly
50, 17.432, 269.984

Deuteranomaly
50, 20.050, 274.757

Tritanomaly
50, 17.884, 232.210

Monochromacy



Original Color
50, 20.333, 249.950

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 7.910, 241.112

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 20.333, 249.950 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(82, 124, 151)` looks like.

```
.text, #text, p{  
    color:rgb(82, 124, 151)  
}
```

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(82, 124, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 124, 151) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 20.333, 249.950 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(82, 124, 151) }
```

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

```
.border{ border-color:rgb(82, 124, 151) }
```

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

Here you see how a box with a 4 pixel rgb(82, 124, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 124, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 124, 151);  
box-shadow:4px 4px 4px 4px rgb(82, 124,  
151) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 20.333, 249.950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 124, 151) }
```

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

```
.background{ background-color: rgb(82, 124,  
151) }
```

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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