

Converting Colors

CIELCh(50, 20.930, 225.223)

Have a look what the booklet for
CIELCh(50, 20.930, 225.223)
contains.

CIELCh(50, 20.975, 226.330)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(50, 20.975, 226.330)

Conversions

Conversions Part 1

Format	Color
Hex	437F90
RGB	67, 127, 144
RGB Percent	26%, 50%, 56%
CMY	0.7368, 0.5016, 0.4349
CMYK	0.53, 0.12, 0.00, 0.43
HSL	193°, 36%, 41%
HSV	193°, 53%, 57%
XYZ	14.9664, 18.4187, 29.1934
YIQ	110.9980, -41.2170, -7.4330

Conversions

Conversions Part 2

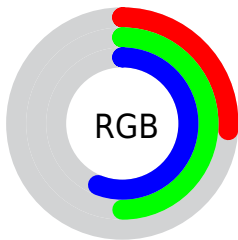
Format	Color
RYB	67, 101, 144
Decimal	4423568
CIELab	50.00, -14.48, -15.17
CIElCh	50, 20.975, 226.330
Yxy	18.4187, 0.2392, 0.2943
Android (android.graphics.Color)	4282613648 (0xFF437F90)
YUV	110.9980, 16.2700, -38.5862
Hunter-Lab	42.9170, -12.8565, -10.2890

Details

The CIELCh color **50, 20.975, 226.330** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **42, 30.941, 41.755**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 20.975, 226.359**, and **30, 20.984, 226.687** is the 20% darker color. If you saturate the color by 10%, you get **48, 23.589, 228.124**, and if you desaturate by 10%, it is **52, 17.864, 224.937**.

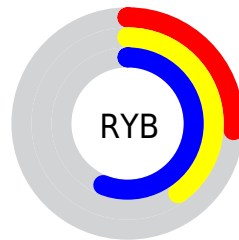
Distribution



Red (26%)

Green (50%)

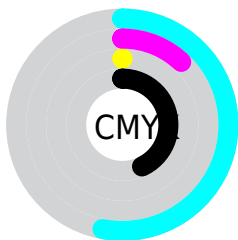
Blue (56%)



Red (26%)

Yellow (40%)

Blue (56%)

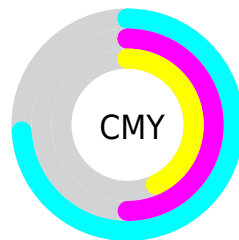


Cyan (53%)

Magenta (12%)

Yellow (0%)

Black (43%)



Cyan (74%)


Magenta (50%)


Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 20.975, 226.330 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, 20.975, 226.330 by changing the saturation by 10% instead.


 50, 20.975,
226.330


 50, 20.975,
226.330


 100, 20.975,
226.330


 40, 20.975,
226.330


 70, 20.975,
226.330

 30, 20.975,
226.330


 80, 20.975,
226.330


 20, 20.975,
226.330

 90, 20.975,
226.330

 10, 20.975,
226.330

 0, 20.975, 226.330

 50, 20.975,
226.330

 50, 20.975,
226.330

48, 23.589,
228.124

52, 17.864,
224.937

47, 25.679,
230.407

53, 14.308,
223.878

46, 27.252,
233.256

55, 10.370,
223.087

45, 28.364,
236.728

57, 6.113, 222.524

44, 29.007,
239.148

59, 1.599, 222.293

61, 3.116, 41.597

63, 7.985, 41.485

65, 12.968, 41.389

68, 18.030, 41.342

Harmonies

Complementary

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



50, 20.975, 226.330



42, 30.941, 41.755

Rectangle

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



50, 20.975, 226.330



50, 20.975, 276.330



50, 20.975, 46.330



50, 20.975, 96.330

Sweetspot

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



50, 20.974, 226.328



72, 8.906, 222.665



54, 45.082, 146.354



37, 6.030, 222.763



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



50, 20.974, 226.328



62, 29.009, 228.514



38, 34.117, 284.288



29, 2.578, 222.356



41, 27.661, 238.875



1, 1.779, 221.931

Inverse Universe

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



40, 44.842, 334.855



48, 63.742, 335.786



52, 33.088, 88.222



28, 4.809, 331.798



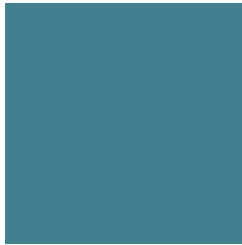
30, 61.054, 339.099



1, 3.227, 331.263

Previews

White Background



This preview shows how the CIELCh color 50, 20.975, 226.330 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, 20.975, 226.330 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

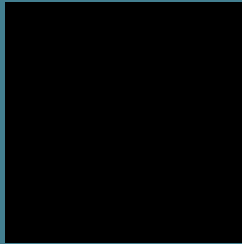
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

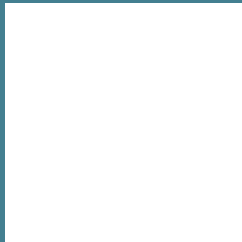
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 20.975, 226.330

Background



This preview shows how black text looks on a background with the CIELCh color 50, 20.975, 226.330.



This preview shows how white text looks on a background with the CIELCh color 50, 20.975, 226.330.

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, 20.975, 226.330

Protanopia
50, 12.317, 288.301

Deuteranopia
50, 18.175, 292.505



Tritanopia
50, 20.843, 213.953

Trichromacy



Original Color
50, 20.975, 226.330

Protanomaly
50, 13.562, 254.434

Deuteranomaly
50, 16.767, 264.979

Tritanomaly
50, 20.758, 217.519

Monochromacy



Original Color
50, 20.975, 226.330

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 8.899, 222.176

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 20.975, 226.330 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(67, 127, 144)` looks like.

```
.text, #text, p{  
    color:rgb(67, 127, 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(67, 127, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 127, 144) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 20.975, 226.330 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(67, 127, 144) }
```

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

```
.border{ border-color:rgb(67, 127, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 127, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 127, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 127, 144);  
box-shadow:4px 4px 4px 4px rgb(67, 127,  
144) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 20.975, 226.330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 127, 144) }
```

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

```
.background{ background-color: rgb(67, 127,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor