

Converting Colors

CIE LCh(50, 21.208, 242.243)

Have a look what the booklet for
CIELCh(50, 21.208, 242.243)
contains.

CIELCh(50, 21.208, 242.243)	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, 21.208, 242.243)

Conversions

Conversions Part 1

Format	Color
Hex	4A7D96
RGB	74, 125, 150
RGB Percent	29%, 49%, 59%
CMY	0.7086, 0.5087, 0.4106
CMYK	0.51, 0.17, 0.00, 0.41
HSL	200°, 34%, 44%
HSV	200°, 51%, 59%
XYZ	15.7455, 18.4187, 31.7040
YIQ	112.6010, -38.4210, -3.0370

Conversions

Conversions Part 2

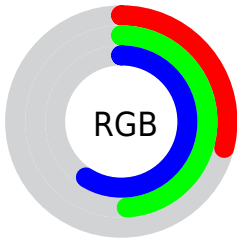
Format	Color
R_{YB}	74, 105, 150
Decimal	4881814
CIE _{Lab}	50.00, -9.88, -18.77
CIE _{LCh}	50, 21.208, 242.243
Yxy	18.4187, 0.2390, 0.2796
Android (android.graphics.Color)	4283071894 (0xFF4A7D96)
YUV	112.6010, 18.4377, -33.8531
Hunter-Lab	42.9170, -9.6160, -13.7574

Details

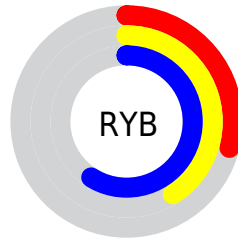
The CIELCh color **50, 21.208, 242.243** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **47, 28.680, 51.940**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 21.172, 241.032**, and **30, 21.177, 242.364** is the 20% darker color. If you saturate the color by 10%, you get **48, 24.480, 244.793**, and if you desaturate by 10%, it is **52, 17.577, 240.177**.

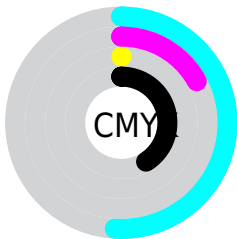
Distribution



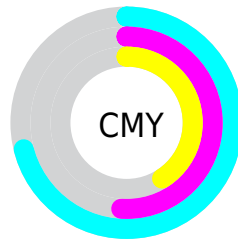
- Red (29%)
- Green (49%)
- Blue (59%)



- Red (29%)
- Yellow (41%)
- Blue (59%)



- Cyan (51%)
- Magenta (17%)
- Yellow (0%)
- Black (41%)





- Cyan (71%)
- Magenta (51%)
- Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 21.208, 242.243 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, 21.208, 242.243 by changing the saturation by 10% instead.


 50, 21.208,
242.243


 50, 21.208,
242.243


 100, 21.208,
242.243


 40, 21.208,
242.243


 70, 21.208,
242.243

 30, 21.208,
242.243


 80, 21.208,
242.243


 20, 21.208,
242.243

 90, 21.208,
242.243

 10, 21.208,
242.243

 0, 21.208, 242.243

 50, 21.208,
242.243

 50, 21.208,
242.243

48, 24.480,
244.793

52, 17.577,
240.177

46, 27.385,
247.909

55, 13.622,
238.518

44, 29.949,
251.650

57, 9.388, 237.192

42, 32.245,
256.024

60, 4.922, 236.155

62, 0.271, 236.675

40, 34.346,
260.431

65, 4.525, 54.424

67, 9.428, 53.904

70, 14.408, 53.459

73, 19.441, 53.091

Harmonies

Complementary

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



50, 21.208, 242.243



47, 28.680, 51.940

Rectangle

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



50, 21.208, 242.243



50, 21.208, 292.243



50, 21.208, 62.243



50, 21.208, 112.243

Sweetspot

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



50, 21.207, 242.242



75, 8.610, 236.612



56, 41.048, 150.283



39, 5.897, 236.817



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, 21.207, 242.242



61, 30.457, 245.275



39, 37.980, 289.498



30, 2.604, 236.037



37, 32.083, 259.990



2, 2.316, 235.182

Inverse Universe

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



43, 41.151, 339.509



51, 59.820, 340.741



57, 35.139, 95.610



29, 4.583, 336.077



30, 57.612, 346.488



1, 3.978, 335.483

Previews

White Background



This preview shows how the CIELCh color 50, 21.208, 242.243 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 CIE LCh color 50, 21.208, 242.243 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

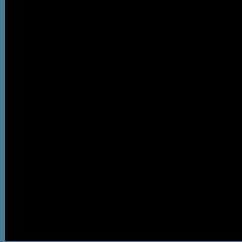
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 21.208, 242.243

Background



This preview shows how black text looks on a background with the CIELCh color 50, 21.208, 242.243.



This preview shows how white text looks on a background with the CIELCh color 50, 21.208, 242.243.

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, 21.208, 242.243

Protanopia

50, 16.462, 285.996

Deuteranopia

50, 21.114, 289.062



Tritanopia
50, 19.499, 217.117

Trichromacy



Original Color
50, 21.208, 242.243

Protanomaly
50, 17.274, 266.023

Deuteranomaly
50, 19.793, 271.395

Tritanomaly
50, 19.490, 226.855

Monochromacy



Original Color
50, 21.208, 242.243

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 8.811, 241.040

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 21.208, 242.243 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(74, 125, 150)` looks like.

```
.text, #text, p{  
    color:rgb(74, 125, 150)  
}
```

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(74, 125, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 125, 150) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 21.208, 242.243 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(74, 125, 150) }
```

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

```
.border{ border-color:rgb(74, 125, 150) }
```

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

Here you see how a box with a 4 pixel rgb(74, 125, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 125, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 125, 150);  
box-shadow:4px 4px 4px 4px rgb(74, 125,  
150) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 21.208, 242.243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 125, 150) }
```

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

```
.background{ background-color: rgb(74, 125,  
150) }
```

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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