

Converting Colors

CIELCh(50, 20.273, 221.823)

Have a look what the booklet for
CIELCh(50, 20.273, 221.823)
contains.

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Color

CIELCh(50, 20.297, 221.722)

Conversions

Conversions Part 1

Format	Color
Hex	447F8D
RGB	68, 127, 141
RGB Percent	27%, 50%, 55%
CMY	0.7322, 0.5009, 0.4460
CMYK	0.52, 0.10, 0.00, 0.45
HSL	192°, 35%, 41%
HSV	192°, 52%, 55%
XYZ	14.8559, 18.4187, 28.0780
YIQ	110.9550, -39.6580, -8.1540

Conversions

Conversions Part 2

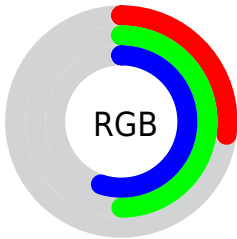
Format	Color
R _Y B	68, 101, 141
Decimal	4489101
CIE Lab	50.00, -15.15, -13.51
CIE LCh	50, 20.297, 221.722
Yxy	18.4187, 0.2421, 0.3002
Android (android.graphics.Color)	4282679181 (0xFF447F8D)
YUV	110.9550, 14.8122, -37.6715
Hunter-Lab	42.9170, -13.3161, -8.7481

Details

The CIELCh color **50, 20.297, 221.722** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **42, 29.722, 39.160**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 20.482, 221.890**, and **30, 20.366, 221.427** is the 20% darker color. If you saturate the color by 10%, you get **49, 22.922, 223.146**, and if you desaturate by 10%, it is **52, 17.163, 220.640**.

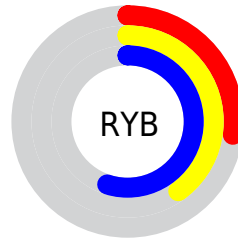
Distribution



Red (27%)

Green (50%)

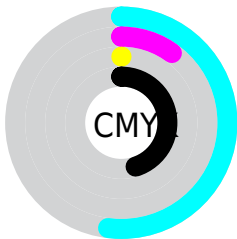
Blue (55%)



Red (27%)

Yellow (40%)

Blue (55%)

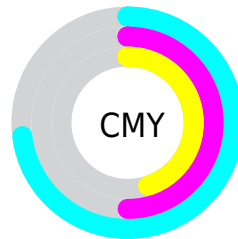


Cyan (52%)

Magenta (10%)

Yellow (0%)

Black (45%)



Cyan (73%)

Magenta (50%)


Yellow (45%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 20.297, 221.722 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, 20.297, 221.722 by changing the saturation by 10% instead.


 50, 20.297,
221.722


 50, 20.297,
221.722


 100, 20.297,
221.722


 40, 20.297,
221.722


 70, 20.297,
221.722

 30, 20.297,
221.722


 80, 20.297,
221.722


 20, 20.297,
221.722

 90, 20.297,
221.722

 10, 20.297,
221.722

 0, 20.297, 221.722

 50, 20.297,
221.722

 50, 20.297,
221.722

49, 22.922,
223.146

52, 17.163,
220.640

47, 25.000,
224.989

53, 13.578,
219.842

46, 26.525,
227.325

55, 9.608, 219.275

45, 27.533,
230.220

57, 5.321, 218.907

44, 28.167,
232.895

58, 0.778, 219.108

60, 3.964, 38.307

62, 8.856, 38.298

64, 13.857, 38.313

66, 18.936, 38.368

Harmonies

Complementary

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



50, 20.297, 221.722



42, 29.722, 39.160

Rectangle

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



50, 20.297, 221.722



50, 20.297, 271.722



50, 20.297, 41.722



50, 20.297, 91.722

Sweetspot

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



50, 20.297, 221.720



71, 8.392, 219.018



53, 44.081, 145.499



37, 5.676, 219.085



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



50, 20.297, 221.720



62, 28.260, 223.420



39, 30.946, 281.534



29, 2.614, 218.851



42, 27.268, 232.727



1, 1.806, 218.551

Inverse Universe

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



40, 43.682, 333.547



48, 62.753, 334.370



51, 30.728, 85.845



28, 4.909, 330.764



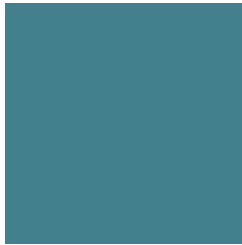
30, 62.345, 337.376



1, 3.295, 330.242

Previews

White Background



This preview shows how the CIE LCh color 50, 20.297, 221.722 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, 20.297, 221.722 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

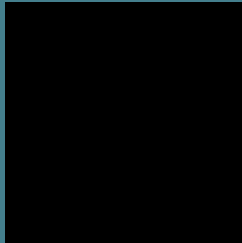
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 20.297, 221.722

Background



This preview shows how black text looks on a background with the CIELCh color 50, 20.297, 221.722.



This preview shows how white text looks on a background with the CIELCh color 50, 20.297, 221.722.

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, 20.297, 221.722

Protanopia

50, 10.553, 289.497

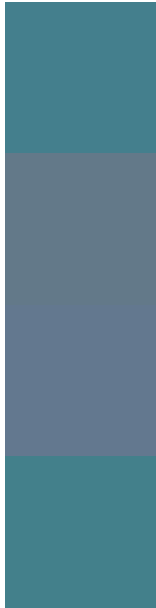
Deuteranopia

50, 16.432, 293.562



Tritanopia
50, 20.381, 214.377

Trichromacy



Original Color
50, 20.297, 221.722

Protanomaly
50, 12.064, 250.167

Deuteranomaly
50, 15.126, 262.575

Tritanomaly
50, 20.449, 216.078

Monochromacy



Original Color
50, 20.297, 221.722

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 8.731, 218.446

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 20.297, 221.722 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(68, 127, 141)` looks like.

```
.text, #text, p{  
    color:rgb(68, 127, 141)  
}
```

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(68, 127, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 127, 141) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 20.297, 221.722 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(68, 127, 141) }
```

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

```
.border{ border-color:rgb(68, 127, 141) }
```

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

Here you see how a box with a 4 pixel rgb(68, 127, 141) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 127, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 127, 141);  
box-shadow:4px 4px 4px 4px rgb(68, 127,  
141) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 20.297, 221.722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 127, 141) }
```

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

```
.background{ background-color: rgb(68, 127,  
141) }
```

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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