

Converting Colors

CIELCh(50, 20.995, 4.209)

Have a look what the booklet for
CIELCh(50, 20.995, 4.209) contains.

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Color

CIELCh(50, 20.908, 4.480)

Conversions

Conversions Part 1

Format	Color
Hex	9A6A75
RGB	154, 106, 117
RGB Percent	60%, 42%, 46%
CMY	0.3966, 0.5848, 0.5417
CMYK	0.00, 0.31, 0.24, 0.40
HSL	346°, 19%, 51%
HSV	346°, 31%, 60%
XYZ	21.6433, 18.4187, 19.2036
YIQ	121.6060, 25.0770, 13.5970

Conversions

Conversions Part 2

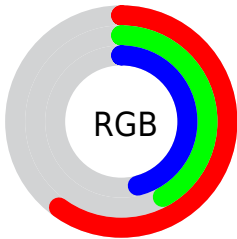
Format	Color
RYB	154, 106, 117
Decimal	10119797
CIELab	50.00, 20.84, 1.63
CIElCh	50, 20.908, 4.480
Yxy	18.4187, 0.3652, 0.3108
Android (android.graphics.Color)	4288309877 (0xFF9A6A75)
YUV	121.6060, -2.2708, 28.4095
Hunter-Lab	42.9170, 14.9140, 3.5119

Details

The CIELCh color $50, 20.908, 4.480$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $60, 18.621, 178.141$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $70, 20.661, 4.640$, and $30, 21.048, 4.542$ is the 20% darker color. If you saturate the color by 10%, you get $46, 28.035, 6.060$, and if you desaturate by 10%, it is $54, 13.922, 3.172$.

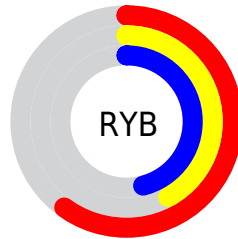
Distribution



Red (60%)

Green (42%)

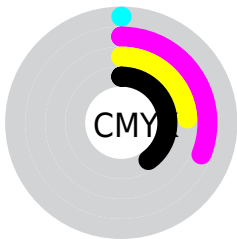
Blue (46%)



Red (60%)

Yellow (42%)

Blue (46%)

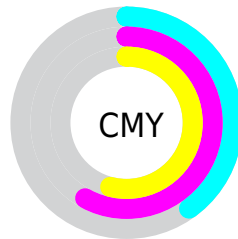


Cyan (0%)

Magenta (31%)

Yellow (24%)

Black (40%)



Cyan (40%)





Magenta (58%)









Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 20.908, 4.480 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, 20.908, 4.480 by changing the saturation by 10% instead.

 50, 20.908, 4.480	 50, 20.908, 4.480
 100, 20.908, 4.480	 40, 20.908, 4.480
 70, 20.908, 4.480	 30, 20.908, 4.480
 80, 20.908, 4.480	 20, 20.908, 4.480
 90, 20.908, 4.480	 10, 20.908, 4.480
	 0, 20.908, 4.480

 50, 20.908, 4.480	 50, 20.908, 4.480
 46, 28.035, 6.060	 54, 13.922, 3.172
 42, 35.139, 7.997	 59, 7.184, 2.045
 39, 41.980, 10.415	 63, 0.747, 0.608

36, 48.279, 13.462

68, 5.373, 180.416

34, 53.792, 17.279

72, 11.180,
179.651

33, 58.420, 21.929

77, 16.690,
178.993

32, 62.140, 26.308

81, 21.925,
178.406

86, 26.910,
177.875

90, 31.669,
177.391

Harmonies

Complementary

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



50, 20.908, 4.480



60, 18.621, 178.141

Rectangle

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



50, 20.908, 4.480



50, 20.908, 54.480



50, 20.908, 184.480



50, 20.908, 234.480

Sweetspot

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



50, 20.906, 4.483



75, 7.090, 1.831



50, 31.180, 319.129



39, 4.930, 1.974



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, 20.906, 4.483



61, 30.901, 5.477



53, 17.094, 46.143



30, 3.596, 1.836



29, 57.864, 25.803



1, 3.799, 1.337

Inverse Universe

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



50, 20.906, 4.483



61, 30.901, 5.477



57, 14.056, 229.979



30, 3.596, 1.836



29, 57.864, 25.803



1, 3.799, 1.337

Previews

White Background



This preview shows how the CIELCh color 50, 20.908, 4.480 looks on a white background.

Color Contrast Check

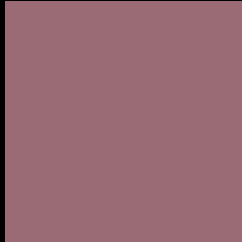
Large Text (above 18pt) WCAG AA ✓ Pass

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, 20.908, 4.480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

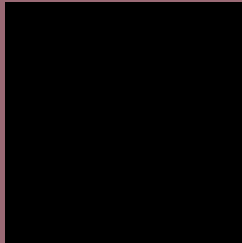
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 20.908, 4.480

Background



This preview shows how black text looks on a background with the CIELCh color 50, 20.908, 4.480.



This preview shows how white text looks on a background with the CIELCh color 50, 20.908, 4.480.

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, 20.908, 4.480

Protanopia

50, 2.960, 298.255

Deuteranopia

50, 7.039, 20.168



Tritanopia
50, 20.649, 9.185

Trichromacy



Original Color
50, 20.908, 4.480

Protanomaly
50, 8.392, 351.294

Deuteranomaly
50, 11.860, 9.559

Tritanomaly
50, 20.719, 7.603

Monochromacy



Original Color
50, 20.908, 4.480

Achromatopsia
51, 0.007, 296.813

Achromatomaly
50, 7.735, 2.793

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 20.908, 4.480 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(154, 106, 117)` looks like.

```
.text, #text, p{  
    color:rgb(154, 106, 117)  
}
```

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(154, 106, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 106, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 20.908, 4.480 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(154, 106, 117) }
```

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

```
.border{ border-color:rgb(154, 106, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 106, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 106, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 106, 117);  
box-shadow:4px 4px 4px 4px rgb(154, 106,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 20.908, 4.480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 106, 117) }
```

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

```
.background{ background-color: rgb(154,  
106, 117) }
```

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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