

Converting Colors

CIELCh(48, 20.607, 13.398)

Have a look what the booklet for
CIELCh(48, 20.607, 13.398) contains.

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Color

CIELCh(48, 20.738, 12.513)

Conversions

Conversions Part 1

Format	Color
Hex	95656B
RGB	149, 101, 107
RGB Percent	58%, 40%, 42%
CMY	0.4152, 0.6035, 0.5799
CMYK	0.00, 0.32, 0.28, 0.42
HSL	353°, 19%, 49%
HSV	353°, 32%, 58%
XYZ	19.7413, 16.7945, 16.1422
YIQ	116.0360, 26.6820, 12.0420

Conversions

Conversions Part 2

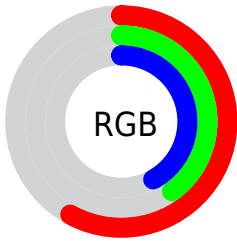
Format	Color
R_{YB}	149, 101, 107
Decimal	9790827
CIE _{Lab}	48.00, 20.25, 4.49
CIE _{LCh}	48, 20.738, 12.513
Yxy	16.7945, 0.3748, 0.3188
Android (android.graphics.Color)	4287980907 (0xFF95656B)
YUV	116.0360, -4.4547, 28.9094
Hunter-Lab	40.9810, 14.2700, 5.3327

Details

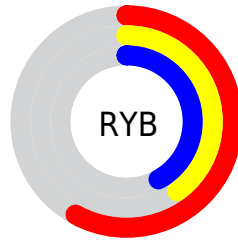
The CIELCh color **48, 20.738, 12.513** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **58, 17.621, 186.554**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **68, 20.834, 12.432**, and **28, 21.057, 11.725** is the 20% darker color. If you saturate the color by 10%, you get **44, 27.823, 14.117**, and if you desaturate by 10%, it is **52, 13.909, 11.220**.

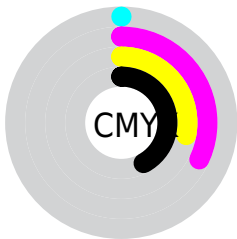
Distribution



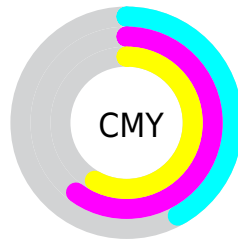
- Red (58%)
- Green (40%)
- Blue (42%)



- Red (58%)
- Yellow (40%)
- Blue (42%)



- Cyan (0%)
- Magenta (32%)
- Yellow (28%)
- Black (42%)



- Cyan (42%)
- Magenta (60%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 20.738, 12.513 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 48, 20.738, 12.513 by changing the saturation by 10% instead.

■ 48, 20.738, 12.513

■ 48, 20.738, 12.513

■ 100, 20.738,
12.513

■ 38, 20.738, 12.513

■ 68, 20.738, 12.513

■ 28, 20.738, 12.513

■ 78, 20.738, 12.513

■ 18, 20.738, 12.513

■ 88, 20.738, 12.513

■ 8, 20.738, 12.513

■ 98, 20.738, 12.513

■ 0, 20.738, 12.513

■ 48, 20.738, 12.513

■ 48, 20.738, 12.513

■ 44, 27.823, 14.117

■ 52, 13.909, 11.220

■ 40, 35.032, 16.122

■ 56, 7.418, 10.137

37, 42.162, 18.656

61, 1.295, 8.985

35, 48.974, 21.842

65, 4.460, 188.664

33, 55.246, 25.750

70, 9.865, 187.971

31, 60.819, 30.265

74, 14.946,
187.399

31, 64.836, 33.615

79, 19.734,
186.902

83, 24.258,
186.462

88, 28.548,
186.068

Harmonies

Complementary

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



48, 20.738, 12.513



58, 17.621, 186.554

Rectangle

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



48, 20.738, 12.513



48, 20.738, 62.513



48, 20.738, 192.513



48, 20.738, 242.513

Sweetspot

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



48, 20.736, 12.517



73, 7.488, 9.938



49, 32.105, 322.225



37, 5.114, 10.064



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



48, 20.736, 12.517



58, 31.679, 13.700



52, 16.909, 57.055



29, 3.383, 9.837



28, 60.934, 33.234



1, 2.881, 9.134

Inverse Universe

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



48, 20.736, 12.517



58, 31.679, 13.700



53, 14.405, 243.887



29, 3.383, 9.837



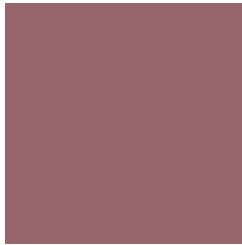
28, 60.934, 33.234



1, 2.881, 9.134

Previews

White Background



This preview shows how the CIELCh color 48, 20.738, 12.513 looks on a white background.

Color Contrast Check

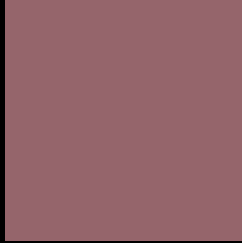
Large Text (above 18pt) WCAG AA ✓ Pass

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 48, 20.738, 12.513 looks on a black 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

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

CIELCh 48, 20.738, 12.513

Background



This preview shows how black text looks on a background with the CIELCh color 48, 20.738, 12.513.



This preview shows how white text looks on a background with the CIELCh color 48, 20.738, 12.513.

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

48, 20.738, 12.513

Protanopia

48, 0.813, 19.049

Deuteranopia

48, 8.615, 40.066



Tritanopia
48, 20.819, 9.324

Trichromacy



Original Color
48, 20.738, 12.513

Protanomaly
48, 8.003, 11.934

Deuteranomaly
48, 12.394, 23.571

Tritanomaly
48, 20.770, 10.915

Monochromacy



Original Color
48, 20.738, 12.513

Achromatopsia
49, 0.007, 296.813

Achromatomaly
48, 7.141, 10.800

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 20.738, 12.513 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(149, 101, 107)` looks like.

```
.text, #text, p{  
    color:rgb(149, 101, 107)  
}
```

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(149, 101, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 101, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 20.738, 12.513 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(149, 101, 107) }
```

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

```
.border{ border-color:rgb(149, 101, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 101, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 101, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 101, 107);  
box-shadow:4px 4px 4px 4px rgb(149, 101,  
107) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 20.738, 12.513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 101, 107) }
```

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

```
.background{ background-color: rgb(149,  
101, 107) }
```

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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