

Converting Colors

CIELCh(50, 68.098, 22.760)

Have a look what the booklet for
CIELCh(50, 68.098, 22.760) contains.

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Color

CIELCh(50, 67.950, 22.799)

Conversions

Conversions Part 1

Format	Color
Hex	DA394E
RGB	218, 57, 78
RGB Percent	85%, 22%, 31%
CMY	0.1446, 0.7759, 0.6937
CMYK	0.00, 0.74, 0.64, 0.14
HSL	352°, 69%, 54%
HSV	352°, 74%, 86%
XYZ	31.8040, 18.4187, 9.1062
YIQ	107.5330, 89.2150, 40.6630

Conversions

Conversions Part 2

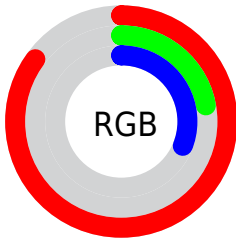
Format	Color
RYB	218, 57, 78
Decimal	14301518
CIELab	50.00, 62.64, 26.33
CIELCh	50, 67.950, 22.799
Yxy	18.4187, 0.5361, 0.3105
Android (android.graphics.Color)	4292491598 (0xFFDA394E)
YUV	107.5330, -14.5598, 96.8796
Hunter-Lab	42.9170, 57.1743, 17.4616

Details

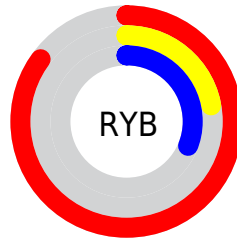
The CIELCh color **50, 67.950, 22.799** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark muted red. A complement of this color would be **79, 45.240, 181.836**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 57.493, 20.574**, and **32, 63.236, 27.277** is the 20% darker color. If you saturate the color by 10%, you get **48, 76.084, 27.098**, and if you desaturate by 10%, it is **53, 58.951, 19.262**.

Distribution



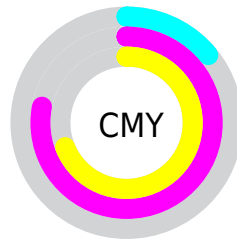
- Red (85%)
- Green (22%)
- Blue (31%)



- Red (85%)
- Yellow (22%)
- Blue (31%)



- Cyan (0%)
- Magenta (74%)
- Yellow (64%)
- Black (14%)



- Cyan (14%)
- Magenta (78%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 67.950, 22.799 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, 67.950, 22.799 by changing the saturation by 10% instead.

■ 50, 67.950, 22.799

■ 50, 67.950, 22.799

■ 100, 67.950,
22.799

■ 40, 67.950, 22.799

■ 70, 67.950, 22.799

■ 30, 67.950, 22.799

■ 80, 67.950, 22.799

■ 20, 67.950, 22.799

■ 90, 67.950, 22.799

■ 10, 67.950, 22.799

■ 0, 67.950, 22.799

■ 50, 67.950, 22.799

■ 50, 67.950, 22.799

■ 48, 76.084, 27.098

■ 53, 58.951, 19.262

■ 46, 83.162, 31.911

■ 58, 49.382, 16.451

■ 46, 87.024, 34.728

■ 62, 39.585, 14.241

68, 29.876, 12.492

73, 20.478, 11.087

79, 11.526, 9.929

85, 3.078, 8.854

91, 4.857, 188.361

97, 12.300,
187.612

Harmonies

Complementary

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



50, 67.950, 22.799



79, 45.240, 181.836

Rectangle

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



50, 67.950, 22.799



50, 67.950, 72.799



50, 67.950, 202.799



50, 67.950, 252.799

Sweetspot

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



50, 67.947, 22.801



85, 21.387, 10.887



52, 91.743, 323.507



44, 14.483, 11.231



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



50, 67.947, 22.801



54, 90.529, 29.950



60, 60.514, 54.097



43, 4.699, 9.474



36, 72.695, 33.936



5, 23.721, 14.645

Inverse Universe

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



50, 67.947, 22.801



54, 90.529, 29.950



62, 39.585, 255.710



43, 4.699, 9.474



36, 72.695, 33.936



5, 23.721, 14.645

Previews

White Background



This preview shows how the CIELCh color 50, 67.950, 22.799 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, 67.950, 22.799 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, 67.950, 22.799

Background



This preview shows how black text looks on a background with the CIELCh color 50, 67.950, 22.799.

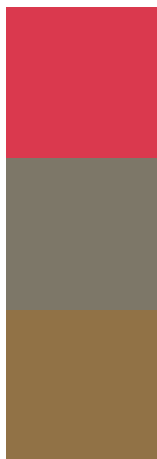


This preview shows how white text looks on a background with the CIELCh color 50, 67.950, 22.799.

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, 67.950, 22.799

Protanopia

50, 9.087, 92.765

Deuteranopia

50, 29.611, 77.438



Tritanopia
50, 70.372, 30.129

Trichromacy



Original Color
50, 67.950, 22.799

Protanomaly
48, 27.592, 25.390

Deuteranomaly
48, 39.649, 40.430

Tritanomaly
50, 69.441, 27.771

Monochromacy



Original Color
50, 67.950, 22.799

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 25.516, 13.917

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 67.950, 22.799 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(218, 57, 78)` looks like.

```
.text, #text, p{  
    color:rgb(218, 57, 78)  
}
```

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(218, 57, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 57, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 67.950, 22.799 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(218, 57, 78) }
```

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

```
.border{ border-color:rgb(218, 57, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 57, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 57, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 57, 78);  
box-shadow:4px 4px 4px 4px rgb(218, 57,  
78) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 67.950, 22.799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 57, 78) }
```

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

```
.background{ background-color: rgb(218, 57,  
78) }
```

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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