

Converting Colors

CIELCh(46, 63.909, 22.751)

Have a look what the booklet for
CIELCh(46, 63.909, 22.751) contains.

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Color

CIELCh(46, 63.931, 22.979)

Conversions

Conversions Part 1

Format	Color
Hex	C93447
RGB	201, 52, 71
RGB Percent	79%, 20%, 28%
CMY	0.2128, 0.7970, 0.7223
CMYK	0.00, 0.74, 0.65, 0.21
HSL	352°, 59%, 50%
HSV	352°, 74%, 79%
XYZ	26.3681, 15.2687, 7.4874
YIQ	98.7170, 82.7050, 37.4970

Conversions

Conversions Part 2

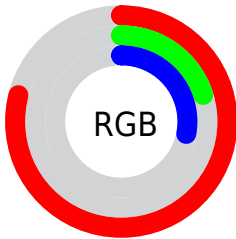
Format	Color
R_{YB}	201, 52, 71
Decimal	13186119
CIE Lab	46.00, 58.86, 24.96
CIE LCh	46, 63.931, 22.979
Yxy	15.2687, 0.5368, 0.3108
Android (android.graphics.Color)	4291376199 (0xFFC93447)
YUV	98.7170, -13.6645, 89.7022
Hunter-Lab	39.0751, 52.0710, 15.9917

Details

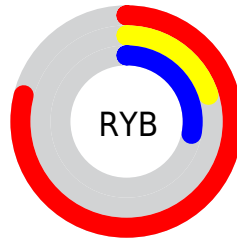
The CIELCh color **46, 63.931, 22.979** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **73, 42.435, 182.062**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 60.503, 22.441**, and **29, 58.810, 28.098** is the 20% darker color. If you saturate the color by 10%, you get **44, 71.562, 27.251**, and if you desaturate by 10%, it is **49, 55.499, 19.458**.

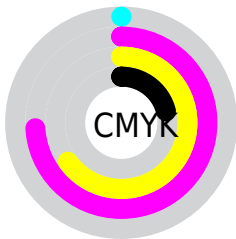
Distribution



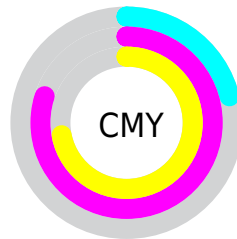
- Red (79%)
- Green (20%)
- Blue (28%)



- Red (79%)
- Yellow (20%)
- Blue (28%)



- Cyan (0%)
- Magenta (74%)
- Yellow (65%)
- Black (21%)



- Cyan (21%)
- Magenta (80%)
- Yellow (72%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 63.931, 22.979 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 46, 63.931, 22.979 by changing the saturation by 10% instead.

 46, 63.931, 22.979

 46, 63.931, 22.979

 100, 63.931,
22.979

 36, 63.931, 22.979

 66, 63.931, 22.979

 26, 63.931, 22.979

 76, 63.931, 22.979

 16, 63.931, 22.979

 86, 63.931, 22.979

 6, 63.931, 22.979

 96, 63.931, 22.979

 0, 63.931, 22.979

 46, 63.931, 22.979

 46, 63.931, 22.979

 44, 71.562, 27.251

 49, 55.499, 19.458

 42, 78.208, 32.023

 53, 46.541, 16.654

42, 81.648, 34.595

57, 37.373, 14.447

62, 28.286, 12.700

68, 19.489, 11.297

73, 11.108, 10.141

79, 3.196, 9.083

84, 4.237, 188.583

90, 11.209,
187.829

Harmonies

Complementary

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



46, 63.931, 22.979



73, 42.435, 182.062

Rectangle

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



46, 63.931, 22.979



46, 63.931, 72.979



46, 63.931, 202.979



46, 63.931, 252.979

Sweetspot

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



46, 63.928, 22.981



85, 21.381, 11.060



48, 86.227, 323.507



44, 14.480, 11.404



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



46, 63.928, 22.981



54, 90.653, 30.105



55, 56.889, 54.095



39, 4.332, 9.639



34, 69.430, 33.826



3, 16.016, 12.803

Inverse Universe

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



46, 63.928, 22.981



54, 90.653, 30.105



58, 37.207, 255.723



39, 4.332, 9.639



34, 69.430, 33.826



3, 16.016, 12.803

Previews

White Background



This preview shows how the CIELCh color 46, 63.931, 22.979 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 46, 63.931, 22.979 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 46, 63.931, 22.979

Background



This preview shows how black text looks on a background with the CIELCh color 46, 63.931, 22.979.



This preview shows how white text looks on a background with the CIELCh color 46, 63.931, 22.979.

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

46, 63.931, 22.979

Protanopia

46, 9.233, 92.610

Deuteranopia

46, 28.536, 77.764



Tritanopia
46, 66.035, 30.072

Trichromacy



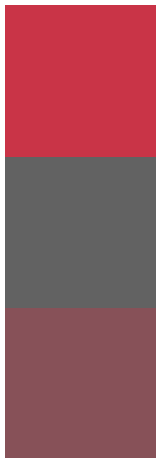
Original Color
46, 63.931, 22.979

Protanomaly
44, 26.278, 25.614

Deuteranomaly
45, 37.142, 41.706

Tritanomaly
46, 65.095, 27.514

Monochromacy



Original Color
46, 63.931, 22.979

Achromatopsia
42, 0.006, 296.813

Achromatomaly
41, 24.182, 13.315

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 63.931, 22.979 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(201, 52, 71)` looks like.

```
.text, #text, p{  
    color:rgb(201, 52, 71)  
}
```

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(201, 52, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 52, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 63.931, 22.979 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(201, 52, 71) }
```

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

```
.border{ border-color:rgb(201, 52, 71) }
```

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

Here you see how a box with a 4 pixel rgb(201, 52, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 52, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 52, 71);  
box-shadow:4px 4px 4px 4px rgb(201, 52,  
71) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 63.931, 22.979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 52, 71) }
```

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

```
.background{ background-color: rgb(201, 52,  
71) }
```

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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