

Converting Colors

CIELCh(44, 63.698, 15.042)

Have a look what the booklet for
CIELCh(44, 63.698, 15.042) contains.

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Color

CIELCh(44, 63.822, 14.980)

Conversions

Conversions Part 1

Format	Color
Hex	C42850
RGB	196, 40, 80
RGB Percent	77%, 16%, 31%
CMY	0.2313, 0.8430, 0.6862
CMYK	0.00, 0.80, 0.59, 0.23
HSL	345°, 66%, 46%
HSV	345°, 80%, 77%
XYZ	24.9800, 13.8382, 8.9475
YIQ	91.2040, 80.1360, 45.5120

Conversions

Conversions Part 2

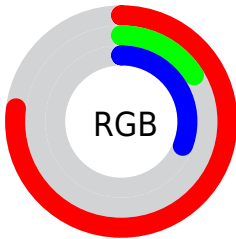
Format	Color
R _Y B	196, 40, 80
Decimal	12855376
CIE Lab	44.00, 61.65, 16.50
CIE LCh	44, 63.822, 14.980
Yxy	13.8382, 0.5230, 0.2897
Android (android.graphics.Color)	4291045456 (0xFFC42850)
YUV	91.2040, -5.5236, 91.9061
Hunter-Lab	37.1997, 54.7650, 11.7791

Details

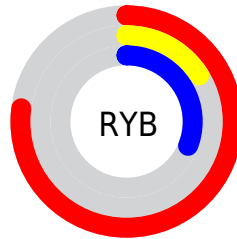
The CIELCh color **44, 63.822, 14.980** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark muted red. A complement of this color would be **71, 49.147, 169.360**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **63, 62.681, 14.432**, and **28, 55.067, 22.431** is the 20% darker color. If you saturate the color by 10%, you get **42, 69.101, 19.664**, and if you desaturate by 10%, it is **47, 57.351, 11.186**.

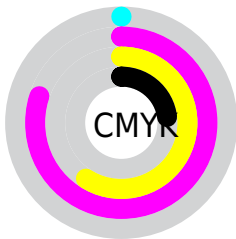
Distribution



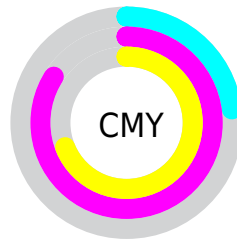
- Red (77%)
- Green (16%)
- Blue (31%)



- Red (77%)
- Yellow (16%)
- Blue (31%)



- Cyan (0%)
- Magenta (80%)
- Yellow (59%)
- Black (23%)



- Cyan (23%)
- Magenta (84%)
- Yellow (69%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 63.822, 14.980 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 44, 63.822, 14.980 by changing the saturation by 10% instead.

 44, 63.822, 14.980

 44, 63.822, 14.980

 100, 63.822,
14.980

 34, 63.822, 14.980

 64, 63.822, 14.980

 24, 63.822, 14.980

 74, 63.822, 14.980

 14, 63.822, 14.980

 84, 63.822, 14.980

 4, 63.822, 14.980

 94, 63.822, 14.980

 0, 63.822, 14.980

 44, 63.822, 14.980

 44, 63.822, 14.980

 42, 69.101, 19.664

 47, 57.351, 11.186

 41, 73.555, 24.980

 50, 49.829, 8.179

41, 73.754, 25.198

54, 41.578, 5.799

59, 32.963, 3.892

64, 24.291, 2.335

69, 15.775, 1.033

74, 7.548, 359.905

79, 0.324, 180.522

85, 7.819, 178.261

Harmonies

Complementary

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



44, 63.822, 14.980



71, 49.147, 169.360

Rectangle

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



44, 63.822, 14.980



44, 63.822, 64.980



44, 63.822, 194.980



44, 63.822, 244.980

Sweetspot

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



44, 63.819, 14.982



84, 24.179, 1.632



42, 88.675, 319.234



43, 16.721, 2.115



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



44, 63.819, 14.982



54, 87.941, 23.378



48, 64.194, 44.265



38, 4.427, 359.882



33, 63.244, 24.278



3, 14.457, 5.697

Inverse Universe

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



44, 63.819, 14.982



54, 87.941, 23.378



61, 33.993, 234.964



38, 4.427, 359.882



33, 63.244, 24.278



3, 14.457, 5.697

Previews

White Background



This preview shows how the CIELCh color 44, 63.822, 14.980 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 CIE LCh color 44, 63.822, 14.980 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

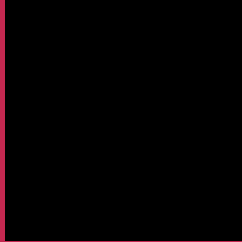
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 63.822, 14.980

Background



This preview shows how black text looks on a background with the CIELCh color 44, 63.822, 14.980.



This preview shows how white text looks on a background with the CIELCh color 44, 63.822, 14.980.

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

44, 63.822, 14.980

Protanopia

44, 3.696, 303.319

Deuteranopia

44, 20.559, 73.191



Tritanopia
44, 67.385, 31.747

Trichromacy



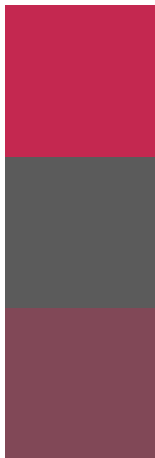
Original Color
44, 63.822, 14.980

Protanomaly
42, 26.677, 0.141

Deuteranomaly
42, 33.951, 27.469

Tritanomaly
44, 65.395, 26.051

Monochromacy



Original Color
44, 63.822, 14.980

Achromatopsia
39, 0.005, 296.813

Achromatomaly
38, 26.275, 3.938

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 63.822, 14.980 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(196, 40, 80)` looks like.

```
.text, #text, p{  
    color:rgb(196, 40, 80)  
}
```

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(196, 40, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 40, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 63.822, 14.980 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(196, 40, 80) }
```

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

```
.border{ border-color:rgb(196, 40, 80) }
```

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

Here you see how a box with a 4 pixel rgb(196, 40, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 40, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 40, 80);  
box-shadow:4px 4px 4px 4px rgb(196, 40,  
80) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 63.822, 14.980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 40, 80) }
```

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

```
.background{ background-color: rgb(196, 40,  
80) }
```

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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