

Converting Colors

CIELCh(41, 55.665, 13.067)

Have a look what the booklet for
CIELCh(41, 55.665, 13.067) contains.

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Color

CIELCh(41, 55.662, 12.923)

Conversions

Conversions Part 1

Format	Color
Hex	B12E4F
RGB	177, 46, 79
RGB Percent	69%, 18%, 31%
CMY	0.3059, 0.8196, 0.6902
CMYK	0.00, 0.74, 0.55, 0.31
HSL	345°, 59%, 44%
HSV	345°, 74%, 69%
XYZ	20.5182, 11.8645, 8.6050
YIQ	88.9310, 67.4830, 38.0350

Conversions

Conversions Part 2

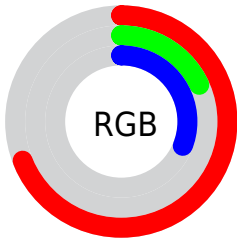
Format	Color
RYB	177, 46, 79
Decimal	11611727
CIELab	41.00, 54.25, 12.45
CIElCh	41, 55.662, 12.923
Yxy	11.8645, 0.5006, 0.2895
Android (android.graphics.Color)	4289801807 (0xFFB12E4F)
YUV	88.9310, -4.8960, 77.2365
Hunter-Lab	34.4449, 46.0505, 9.2997

Details

The CIELCh color **41, 55.662, 12.923** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **65, 43.218, 170.756**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 55.646, 13.079**, and **24, 49.095, 18.950** is the 20% darker color. If you saturate the color by 10%, you get **39, 61.234, 17.043**, and if you desaturate by 10%, it is **44, 49.058, 9.636**.

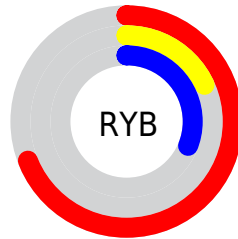
Distribution



Red (69%)

Green (18%)

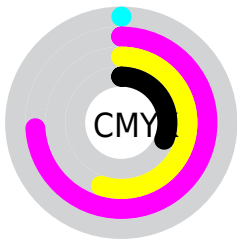
Blue (31%)



Red (69%)

Yellow (18%)

Blue (31%)

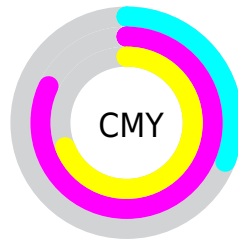


Cyan (0%)

Magenta (74%)

Yellow (55%)

Black (31%)



Cyan (31%)

Magenta (82%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 41, 55.662, 12.923 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 41, 55.662, 12.923 by changing the saturation by 10% instead.

41, 55.662, 12.923

41, 55.662, 12.923

100, 55.662,
12.923

31, 55.662, 12.923

61, 55.662, 12.923

21, 55.662, 12.923

71, 55.662, 12.923

11, 55.662, 12.923

81, 55.662, 12.923

1, 55.662, 12.923

91, 55.662, 12.923

0, 55.662, 12.923

41, 55.662, 12.923

41, 55.662, 12.923

39, 61.234, 17.043

44, 49.058, 9.636

38, 65.767, 22.022

47, 41.674, 7.033

■ 37, 68.321, 25.121

■ 51, 33.834, 4.958

■ 56, 25.844, 3.276

■ 60, 17.932, 1.884

■ 65, 10.246, 0.700

■ 70, 2.867, 359.589

■ 75, 4.170, 178.986

■ 80, 10.860,
178.154

Harmonies

Complementary

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



41, 55.662, 12.923



65, 43.218, 170.756

Rectangle

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



41, 55.662, 12.923



41, 55.662, 62.923



41, 55.662, 192.923



41, 55.662, 242.923

Sweetspot

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



41, 55.659, 12.925



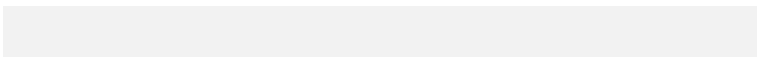
78, 20.231, 1.679



39, 77.913, 319.282



39, 13.650, 2.012



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



41, 55.659, 12.925



49, 78.079, 20.195



45, 54.161, 43.900



35, 4.127, 0.192



32, 61.067, 24.399



2, 9.549, 3.667

Inverse Universe

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



41, 55.659, 12.925



49, 78.079, 20.195



57, 30.314, 233.089



35, 4.127, 0.192



32, 61.067, 24.399



2, 9.549, 3.667

Previews

White Background



This preview shows how the CIELCh color 41, 55.662, 12.923 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 41, 55.662, 12.923 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

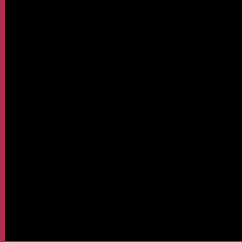
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 55.662, 12.923

Background



This preview shows how black text looks on a background with the CIELCh color 41, 55.662, 12.923.



This preview shows how white text looks on a background with the CIELCh color 41, 55.662, 12.923.

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

41, 55.662, 12.923

Protanopia

41, 4.246, 290.821

Deuteranopia

41, 16.116, 71.098



Tritanopia
41, 57.693, 28.948

Trichromacy



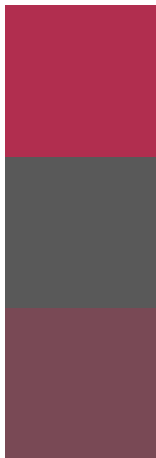
Original Color
41, 55.662, 12.923

Protanomaly
39, 22.785, 356.461

Deuteranomaly
40, 28.325, 26.129

Tritanomaly
41, 56.336, 23.266

Monochromacy



Original Color
41, 55.662, 12.923

Achromatopsia
38, 0.005, 296.813

Achromatomaly
37, 22.211, 4.106

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 55.662, 12.923 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(177, 46, 79)` looks like.

```
.text, #text, p{  
    color:rgb(177, 46, 79)  
}
```

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(177, 46, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 46, 79) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 55.662, 12.923 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(177, 46, 79) }
```

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

```
.border{ border-color:rgb(177, 46, 79) }
```

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

Here you see how a box with a 4 pixel rgb(177, 46, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 46, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 46, 79);  
box-shadow:4px 4px 4px 4px rgb(177, 46,  
79) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 55.662, 12.923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 46, 79) }
```

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

```
.background{ background-color: rgb(177, 46,  
79) }
```

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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