

Converting Colors

CIELCh(42, 52.830, 28.688)

Have a look what the booklet for
CIELCh(42, 52.830, 28.688) contains.

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Color

CIELCh(42, 53.020, 28.810)

Conversions

Conversions Part 1

Format	Color
Hex	AE3C3C
RGB	174, 60, 60
RGB Percent	68%, 24%, 24%
CMY	0.3187, 0.7656, 0.7655
CMYK	0.00, 0.66, 0.66, 0.32
HSL	360°, 49%, 46%
HSV	360°, 66%, 68%
XYZ	19.8114, 12.5000, 5.6163
YIQ	94.0860, 67.9440, 24.1680

Conversions

Conversions Part 2

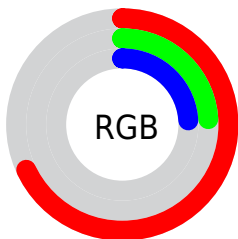
Format	Color
R_{YB}	174, 60, 60
Decimal	11418684
CIE _{Lab}	42.00, 46.46, 25.55
CIE _{LCh}	42, 53.020, 28.810
Yxy	12.5000, 0.5223, 0.3296
Android (android.graphics.Color)	4289608764 (0xFFAE3C3C)
YUV	94.0860, -16.8044, 70.0846
Hunter-Lab	35.3553, 38.1508, 15.3303

Details

The CIELCh color **42, 53.020, 28.810** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **65, 32.522, 196.744**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 53.293, 29.003**, and **23, 51.919, 30.094** is the 20% darker color. If you saturate the color by 10%, you get **39, 61.733, 32.012**, and if you desaturate by 10%, it is **45, 44.047, 26.192**.

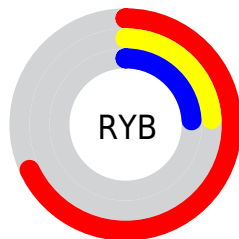
Distribution



Red (68%)

Green (24%)

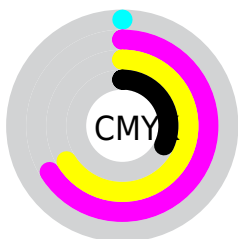
Blue (24%)



Red (68%)

Yellow (24%)

Blue (24%)

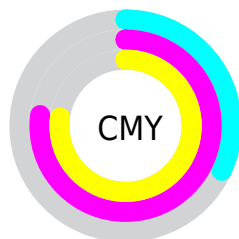


Cyan (0%)

Magenta (66%)

Yellow (66%)

Black (32%)



Cyan (32%)

Magenta (77%)

Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 53.020, 28.810 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 42, 53.020, 28.810 by changing the saturation by 10% instead.

■ 42, 53.020, 28.810

■ 42, 53.020, 28.810

■ 100, 53.020,
28.810

■ 32, 53.020, 28.810

■ 62, 53.020, 28.810

■ 22, 53.020, 28.810

■ 72, 53.020, 28.810

■ 12, 53.020, 28.810

■ 82, 53.020, 28.810

■ 2, 53.020, 28.810

■ 92, 53.020, 28.810

■ 0, 53.020, 28.810

■ 42, 53.020, 28.810

■ 42, 53.020, 28.810

■ 39, 61.733, 32.012

■ 45, 44.047, 26.192

■ 37, 69.688, 35.548

■ 49, 35.147, 24.139

36, 75.858, 38.643

54, 26.551, 22.558

36, 78.340, 39.920

58, 18.409, 21.342

63, 10.795, 20.394

68, 3.726, 19.587

73, 2.818, 199.333

78, 8.877, 198.767

84, 14.498,
198.390

Harmonies

Complementary

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



42, 53.020, 28.810



65, 32.522, 196.744

Rectangle

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



42, 53.020, 28.810



42, 53.020, 78.810



42, 53.020, 208.810



42, 53.020, 258.810

Sweetspot

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



42, 53.018, 28.813



78, 17.522, 20.817



46, 71.106, 327.081



40, 12.179, 21.085



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



42, 53.018, 28.813



50, 80.216, 33.704



54, 43.138, 65.631



34, 3.818, 19.887



31, 69.972, 39.435



2, 7.802, 19.386

Inverse Universe

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



42, 53.018, 28.813



50, 80.216, 33.704



48, 35.008, 267.721



34, 3.818, 19.887



31, 69.972, 39.435



2, 7.802, 19.386

Previews

White Background



This preview shows how the CIELCh color 42, 53.020, 28.810 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 42, 53.020, 28.810 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 42, 53.020, 28.810

Background



This preview shows how black text looks on a background with the CIELCh color 42, 53.020, 28.810.



This preview shows how white text looks on a background with the CIELCh color 42, 53.020, 28.810.

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

42, 53.020, 28.810

Protanopia

42, 15.293, 95.913

Deuteranopia

42, 28.023, 78.486



Tritanopia
42, 52.658, 26.613

Trichromacy



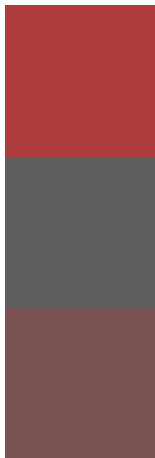
Original Color
42, 53.020, 28.810

Protanomaly
41, 24.261, 45.057

Deuteranomaly
41, 33.798, 49.434

Tritanomaly
42, 52.867, 27.214

Monochromacy



Original Color
42, 53.020, 28.810

Achromatopsia
40, 0.006, 296.813

Achromatomaly
39, 18.532, 22.147

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 53.020, 28.810 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(174, 60, 60)` looks like.

```
.text, #text, p{  
    color:rgb(174, 60, 60)  
}
```

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(174, 60, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 60, 60) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 53.020, 28.810 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(174, 60, 60) }
```

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

```
.border{ border-color:rgb(174, 60, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 60, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 60, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 60, 60);  
box-shadow:4px 4px 4px 4px rgb(174, 60,  
60) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 53.020, 28.810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 60, 60) }
```

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

```
.background{ background-color: rgb(174, 60,  
60) }
```

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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