

Converting Colors

CIELCh(42, 50.500, 26.481)

Have a look what the booklet for
CIELCh(42, 50.500, 26.481) contains.

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Color

CIELCh(42, 50.500, 26.481)

Conversions

Conversions Part 1

Format	Color
Hex	AC3E41
RGB	172, 62, 65
RGB Percent	67%, 24%, 25%
CMY	0.3272, 0.7584, 0.7464
CMYK	0.00, 0.64, 0.62, 0.33
HSL	358°, 47%, 46%
HSV	358°, 64%, 67%
XYZ	19.5607, 12.5000, 6.3310
YIQ	95.2320, 64.5970, 24.2530

Conversions

Conversions Part 2

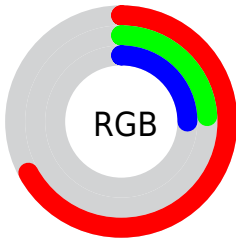
Format	Color
R_{YB}	172, 62, 65
Decimal	11288129
CIE _{Lab}	42.00, 45.20, 22.52
CIE _{LCh}	42, 50.500, 26.481
Yxy	12.5000, 0.5095, 0.3256
Android (android.graphics.Color)	4289478209 (0xFFAC3E41)
YUV	95.2320, -14.9044, 67.3255
Hunter-Lab	35.3553, 36.8852, 14.1318

Details

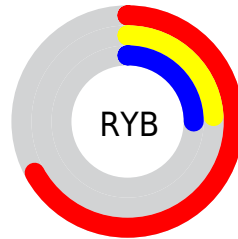
The CIELCh color **42, 50.500, 26.481** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **64, 32.204, 193.699**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 50.328, 26.487**, and **22, 50.431, 27.369** is the 20% darker color. If you saturate the color by 10%, you get **39, 58.928, 29.703**, and if you desaturate by 10%, it is **45, 41.836, 23.888**.

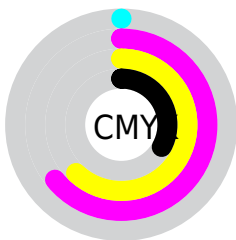
Distribution



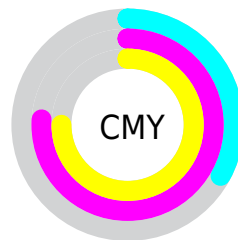
- Red (67%)
- Green (24%)
- Blue (25%)



- Red (67%)
- Yellow (24%)
- Blue (25%)



- Cyan (0%)
- Magenta (64%)
- Yellow (62%)
- Black (33%)



- Cyan (33%)
- Magenta (76%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 50.500, 26.481 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, 50.500, 26.481 by changing the saturation by 10% instead.

42, 50.500, 26.481

42, 50.500, 26.481

100, 50.500,
26.481

32, 50.500, 26.481

62, 50.500, 26.481

22, 50.500, 26.481

72, 50.500, 26.481

12, 50.500, 26.481

82, 50.500, 26.481

2, 50.500, 26.481

92, 50.500, 26.481

0, 50.500, 26.481

42, 50.500, 26.481

42, 50.500, 26.481

39, 58.928, 29.703

45, 41.836, 23.888

37, 66.754, 33.424

49, 33.232, 21.856

36, 73.292, 37.094

54, 24.905, 20.280

35, 76.415, 38.771

58, 16.999, 19.050

63, 9.585, 18.072

68, 2.680, 17.184

73, 3.732, 196.890

78, 9.686, 196.316

83, 15.227,
195.891

Harmonies

Complementary

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



42, 50.500, 26.481



64, 32.204, 193.699

Rectangle

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



42, 50.500, 26.481



42, 50.500, 76.481



42, 50.500, 206.481



42, 50.500, 256.481

Sweetspot

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



42, 50.498, 26.484



77, 16.245, 18.559



45, 69.061, 326.508



39, 11.385, 18.840



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



42, 50.498, 26.484



50, 75.548, 31.243



53, 41.563, 64.241



34, 3.817, 17.662



31, 68.971, 38.334



2, 7.809, 17.521

Inverse Universe

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



42, 50.498, 26.484



50, 75.548, 31.243



49, 33.128, 265.208



34, 3.817, 17.662



31, 68.971, 38.334



2, 7.809, 17.521

Previews

White Background



This preview shows how the CIELCh color 42, 50.500, 26.481 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, 50.500, 26.481 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, 50.500, 26.481

Background



This preview shows how black text looks on a background with the CIELCh color 42, 50.500, 26.481.



This preview shows how white text looks on a background with the CIELCh color 42, 50.500, 26.481.

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, 50.500, 26.481

Protanopia

42, 11.699, 95.235

Deuteranopia

42, 25.172, 77.071



Tritanopia
42, 50.500, 26.481

Trichromacy



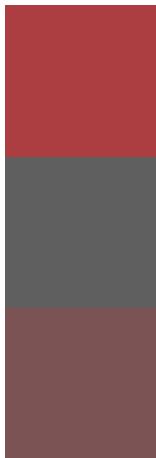
Original Color
42, 50.500, 26.481

Protanomaly
41, 21.785, 39.459

Deuteranomaly
41, 30.920, 47.301

Tritanomaly
42, 50.500, 26.481

Monochromacy



Original Color
42, 50.500, 26.481

Achromatopsia
40, 0.006, 296.813

Achromatomaly
40, 17.955, 20.151

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 50.500, 26.481 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(172, 62, 65)` looks like.

```
.text, #text, p{  
    color:rgb(172, 62, 65)  
}
```

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(172, 62, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 62, 65) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 50.500, 26.481 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(172, 62, 65) }
```

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

```
.border{ border-color:rgb(172, 62, 65) }
```

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

Here you see how a box with a 4 pixel rgb(172, 62, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 62, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 62, 65);  
box-shadow:4px 4px 4px 4px rgb(172, 62,  
65) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 50.500, 26.481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 62, 65) }
```

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

```
.background{ background-color: rgb(172, 62,  
65) }
```

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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