

Converting Colors

CIELCh(46, 62.991, 28.999)

Have a look what the booklet for
CIELCh(46, 62.991, 28.999) contains.

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Color

CIELCh(46, 62.907, 29.141)

Conversions

Conversions Part 1

Format	Color
Hex	C53A3D
RGB	197, 58, 61
RGB Percent	77%, 23%, 24%
CMY	0.2269, 0.7720, 0.7604
CMYK	0.00, 0.71, 0.69, 0.23
HSL	359°, 55%, 50%
HSV	359°, 71%, 77%
XYZ	25.4301, 15.2687, 6.0369
YIQ	99.9030, 81.8810, 30.4010

Conversions

Conversions Part 2

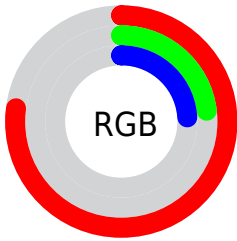
Format	Color
RYB	197, 58, 61
Decimal	12925501
CIELab	46.00, 54.94, 30.63
CIElCh	46, 62.907, 29.141
Yxy	15.2687, 0.5441, 0.3267
Android (android.graphics.Color)	4291115581 (0xFFC53A3D)
YUV	99.9030, -19.1792, 85.1541
Hunter-Lab	39.0751, 47.7862, 18.1925

Details

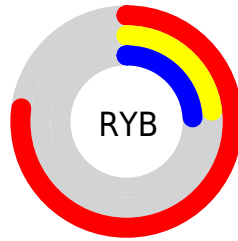
The CIELCh color **46, 62.907, 29.141** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **73, 37.690, 194.147**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 60.914, 28.878**, and **28, 59.773, 32.230** is the 20% darker color. If you saturate the color by 10%, you get **43, 71.981, 32.752**, and if you desaturate by 10%, it is **49, 53.283, 26.096**.

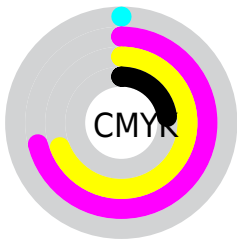
Distribution



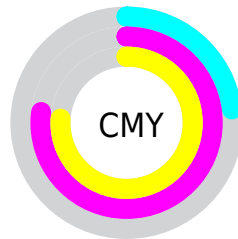
- Red (77%)
- Green (23%)
- Blue (24%)



- Red (77%)
- Yellow (23%)
- Blue (24%)



- Cyan (0%)
- Magenta (71%)
- Yellow (69%)
- Black (23%)



- Cyan (23%)
- Magenta (77%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 62.907, 29.141 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, 62.907, 29.141 by changing the saturation by 10% instead.

46, 62.907, 29.141

46, 62.907, 29.141

100, 62.907,
29.141

36, 62.907, 29.141

66, 62.907, 29.141

26, 62.907, 29.141

76, 62.907, 29.141

16, 62.907, 29.141

86, 62.907, 29.141

6, 62.907, 29.141

96, 62.907, 29.141

0, 62.907, 29.141

46, 62.907, 29.141

46, 62.907, 29.141

43, 71.981, 32.752

49, 53.283, 26.096

42, 79.836, 36.485

53, 43.518, 23.672

41, 85.219, 39.198

58, 33.917, 21.790

63, 24.705, 20.336

68, 16.014, 19.203

74, 7.901, 18.293

79, 0.367, 16.188

85, 6.618, 197.199

91, 13.098,
196.709

Harmonies

Complementary

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



46, 62.907, 29.141



73, 37.690, 194.147

Rectangle

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



46, 62.907, 29.141



46, 62.907, 79.141



46, 62.907, 209.141



46, 62.907, 259.141

Sweetspot

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



46, 62.904, 29.144



86, 20.273, 19.286



50, 82.544, 326.696



44, 13.864, 19.582



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, 62.904, 29.144



55, 93.157, 34.954



58, 51.832, 63.352



39, 4.278, 18.199



34, 73.787, 38.915



3, 15.892, 18.300

Inverse Universe

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



46, 62.904, 29.144



55, 93.157, 34.954



54, 40.421, 267.794



39, 4.278, 18.199



34, 73.787, 38.915



3, 15.892, 18.300

Previews

White Background



This preview shows how the CIELCh color 46, 62.907, 29.141 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, 62.907, 29.141 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, 62.907, 29.141

Background



This preview shows how black text looks on a background with the CIELCh color 46, 62.907, 29.141.

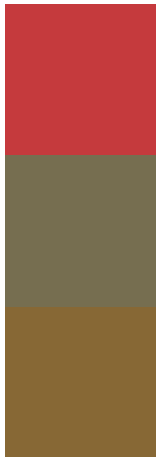


This preview shows how white text looks on a background with the CIELCh color 46, 62.907, 29.141.

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, 62.907, 29.141

Protanopia

46, 17.997, 96.141

Deuteranopia

46, 33.626, 79.387



Tritanopia
46, 62.907, 29.141

Trichromacy



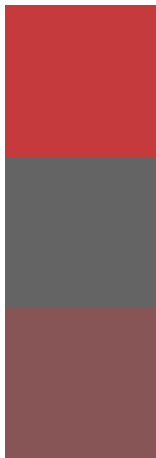
Original Color
46, 62.907, 29.141

Protanomaly
44, 28.949, 43.688

Deuteranomaly
45, 40.409, 49.185

Tritanomaly
46, 62.907, 29.141

Monochromacy



Original Color
46, 62.907, 29.141

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 22.442, 21.176

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 62.907, 29.141 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(197, 58, 61)` looks like.

```
.text, #text, p{  
    color:rgb(197, 58, 61)  
}
```

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(197, 58, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 58, 61) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 62.907, 29.141 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(197, 58, 61) }
```

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

```
.border{ border-color:rgb(197, 58, 61) }
```

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

Here you see how a box with a 4 pixel rgb(197, 58, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 58, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 58, 61);  
box-shadow:4px 4px 4px 4px rgb(197, 58,  
61) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 62.907, 29.141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 58, 61) }
```

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

```
.background{ background-color: rgb(197, 58,  
61) }
```

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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