

Converting Colors

CIELCh(46, 57.849, 31.620)

Have a look what the booklet for
CIELCh(46, 57.849, 31.620) contains.

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Color

CIELCh(46, 57.676, 31.861)

Conversions

Conversions Part 1

Format	Color
Hex	BE433D
RGB	190, 67, 61
RGB Percent	75%, 26%, 24%
CMY	0.2554, 0.7377, 0.7611
CMYK	0.00, 0.65, 0.68, 0.26
HSL	3°, 51%, 49%
HSV	3°, 68%, 74%
XYZ	24.0451, 15.2687, 6.0818
YIQ	103.0930, 75.2340, 24.2100

Conversions

Conversions Part 2

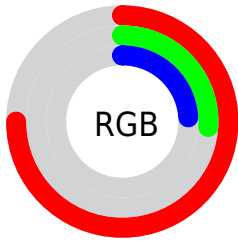
Format	Color
R_{YB}	190, 67, 61
Decimal	12469053
CIE _{Lab}	46.00, 48.99, 30.44
CIE _{LCh}	46, 57.676, 31.861
Yxy	15.2687, 0.5297, 0.3363
Android (android.graphics.Color)	4290659133 (0xFFBE433D)
YUV	103.0930, -20.7518, 76.2174
Hunter-Lab	39.0751, 41.4595, 18.1245

Details

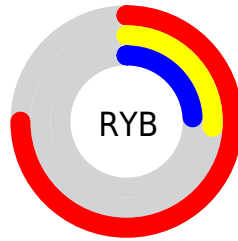
The CIELCh color **46, 57.676, 31.861** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **69, 33.735, 202.514**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 57.662, 31.843**, and **26, 57.760, 32.070** is the 20% darker color. If you saturate the color by 10%, you get **43, 67.087, 34.652**, and if you desaturate by 10%, it is **50, 48.041, 29.526**.

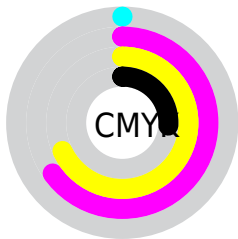
Distribution



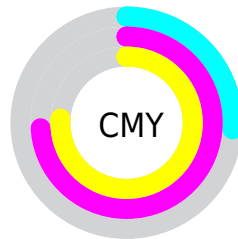
- Red (75%)
- Green (26%)
- Blue (24%)



- Red (75%)
- Yellow (26%)
- Blue (24%)



- Cyan (0%)
- Magenta (65%)
- Yellow (68%)
- Black (26%)



- Cyan (26%)
- Magenta (74%)
- Yellow (76%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 57.676, 31.861 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, 57.676, 31.861 by changing the saturation by 10% instead.

 46, 57.676, 31.861

 46, 57.676, 31.861

 100, 57.676,
31.861

 36, 57.676, 31.861

 66, 57.676, 31.861

 26, 57.676, 31.861

 76, 57.676, 31.861

 16, 57.676, 31.861

 86, 57.676, 31.861

 6, 57.676, 31.861

 96, 57.676, 31.861

 0, 57.676, 31.861

 46, 57.676, 31.861

 46, 57.676, 31.861

 43, 67.087, 34.652

 50, 48.041, 29.526

 41, 75.594, 37.557

 54, 38.559, 27.681

40, 81.938, 39.886

58, 29.458, 26.266

40, 83.139, 40.472

63, 20.877, 25.194

68, 12.877, 24.381

73, 5.468, 23.730

78, 1.378, 203.773

83, 7.703, 203.127

89, 13.560,
202.855

Harmonies

Complementary

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



46, 57.676, 31.861



69, 33.735, 202.514

Rectangle

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



46, 57.676, 31.861



46, 57.676, 81.861



46, 57.676, 211.861



46, 57.676, 261.861

Sweetspot

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



46, 57.674, 31.864



85, 17.985, 24.557



49, 76.608, 328.769



44, 12.512, 24.781



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



46, 57.674, 31.864



55, 87.666, 36.250



59, 48.460, 69.949



37, 3.914, 23.820



33, 72.169, 40.317



3, 11.864, 22.173

Inverse Universe

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



69, 33.735, 202.514



86, 44.662, 203.064



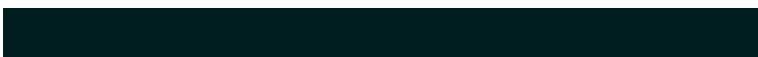
50, 41.925, 274.113



39, 3.688, 203.192



57, 32.966, 203.955



9, 10.952, 202.798

Previews

White Background



This preview shows how the CIELCh color 46, 57.676, 31.861 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, 57.676, 31.861 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, 57.676, 31.861

Background



This preview shows how black text looks on a background with the CIELCh color 46, 57.676, 31.861.



This preview shows how white text looks on a background with the CIELCh color 46, 57.676, 31.861.

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, 57.676, 31.861

Protanopia

46, 19.705, 96.830

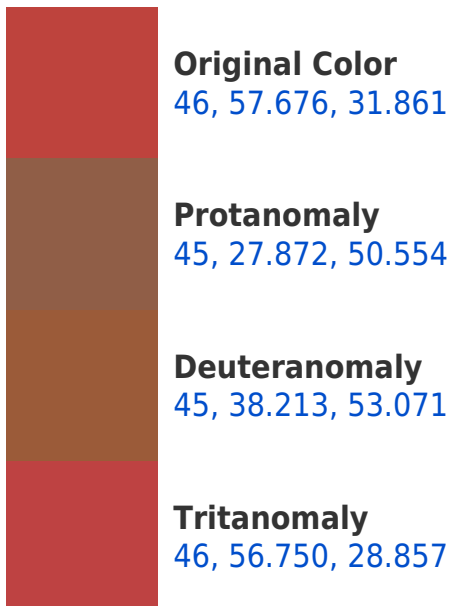
Deuteranopia

46, 33.128, 79.081

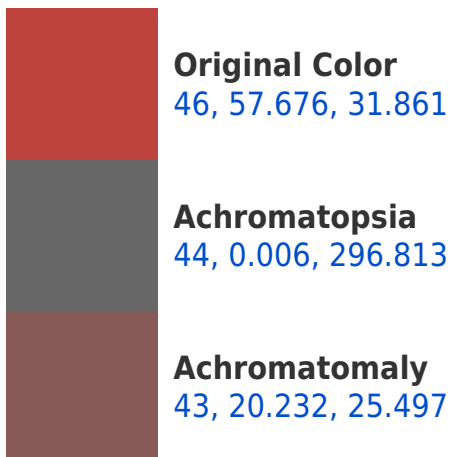


Tritanopia
46, 56.100, 27.218

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 57.676, 31.861 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(190, 67, 61)` looks like.

```
.text, #text, p{  
    color:rgb(190, 67, 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(190, 67, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 67, 61) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 57.676, 31.861 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(190, 67, 61) }
```

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

```
.border{ border-color:rgb(190, 67, 61) }
```

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

Here you see how a box with a 4 pixel rgb(190, 67, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 67, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 67, 61);  
box-shadow:4px 4px 4px 4px rgb(190, 67,  
61) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 57.676, 31.861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 67, 61) }
```

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

```
.background{ background-color: rgb(190, 67,  
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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