

Converting Colors

CIELCh(44, 62.092, 30.568)

Have a look what the booklet for
CIELCh(44, 62.092, 30.568) contains.

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Color

CIELCh(44, 61.827, 30.601)

Conversions

Conversions Part 1

Format	Color
Hex	BD3737
RGB	189, 55, 55
RGB Percent	74%, 22%, 22%
CMY	0.2586, 0.7841, 0.7842
CMYK	0.00, 0.71, 0.71, 0.26
HSL	0°, 55%, 48%
HSV	0°, 71%, 74%
XYZ	23.0575, 13.8382, 5.0747
YIQ	95.0660, 79.8640, 28.4080

Conversions

Conversions Part 2

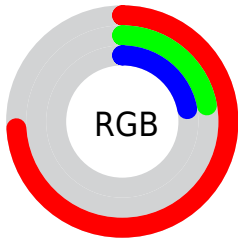
Format	Color
R _Y B	189, 55, 55
Decimal	12400439
CIE Lab	44.00, 53.22, 31.47
CIE LCh	44, 61.827, 30.601
Yxy	13.8382, 0.5494, 0.3297
Android (android.graphics.Color)	4290590519 (0xFFBD3737)
YUV	95.0660, -19.7525, 82.3801
Hunter-Lab	37.1997, 45.5401, 17.9516

Details

The CIELCh color **44, 61.827, 30.601** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **70, 36.160, 196.681**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 61.857, 30.477**, and **26, 58.588, 34.517** is the 20% darker color. If you saturate the color by 10%, you get **42, 70.785, 34.071**, and if you desaturate by 10%, it is **47, 52.318, 27.629**.

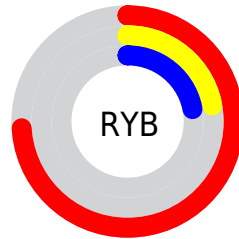
Distribution



Red (74%)

Green (22%)

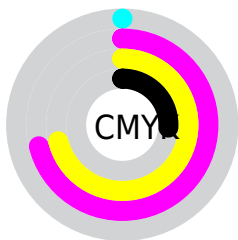
Blue (22%)



Red (74%)

Yellow (22%)

Blue (22%)

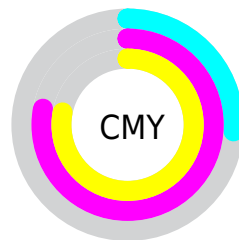


Cyan (0%)

Magenta (71%)

Yellow (71%)

Black (26%)



Cyan (26%)













Magenta (78%)







Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 61.827, 30.601 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 44, 61.827, 30.601 by changing the saturation by 10% instead.

 44, 61.827, 30.601	 44, 61.827, 30.601
 100, 61.827, 30.601	 34, 61.827, 30.601
 64, 61.827, 30.601	 24, 61.827, 30.601
 74, 61.827, 30.601	 14, 61.827, 30.601
 84, 61.827, 30.601	 4, 61.827, 30.601
 94, 61.827, 30.601	 0, 61.827, 30.601

 44, 61.827, 30.601	 44, 61.827, 30.601
 42, 70.785, 34.071	 47, 52.318, 27.629
 40, 78.372, 37.495	 51, 42.703, 25.253

39, 83.504, 40.002

56, 33.286, 23.413

60, 24.282, 22.001

66, 15.813, 20.913

71, 7.927, 20.050

76, 0.623, 18.623

82, 6.134, 199.054

87, 12.392,
198.610

Harmonies

Complementary

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



44, 61.827, 30.601



70, 36.160, 196.681

Rectangle

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



44, 61.827, 30.601



44, 61.827, 80.601



44, 61.827, 210.601



44, 61.827, 260.601

Sweetspot

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



44, 61.824, 30.604



83, 19.645, 20.956



49, 80.326, 327.782



42, 13.432, 21.232



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



44, 61.824, 30.604



53, 91.296, 36.012



57, 50.360, 66.412



37, 4.095, 19.929



32, 72.801, 39.666



3, 12.250, 19.413

Inverse Universe

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



70, 36.160, 196.681



88, 47.310, 196.481



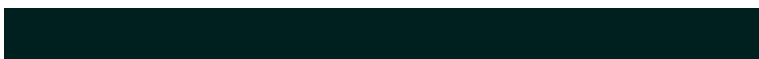
50, 41.335, 271.691



39, 3.863, 198.995



59, 35.053, 196.408



9, 11.661, 196.756

Previews

White Background



This preview shows how the CIELCh color 44, 61.827, 30.601 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 44, 61.827, 30.601 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 44, 61.827, 30.601

Background



This preview shows how black text looks on a background with the CIELCh color 44, 61.827, 30.601.

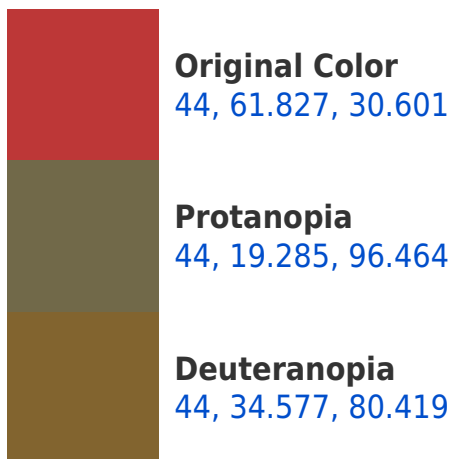


This preview shows how white text looks on a background with the CIELCh color 44, 61.827, 30.601.

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





Tritanopia
44, 61.335, 29.629

Trichromacy



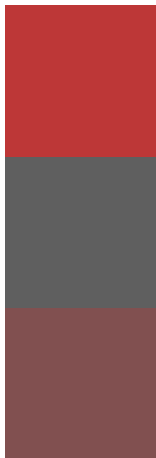
Original Color
44, 61.827, 30.601

Protanomaly
43, 29.369, 47.126

Deuteranomaly
43, 40.128, 51.992

Tritanomaly
44, 61.579, 30.118

Monochromacy



Original Color
44, 61.827, 30.601

Achromatopsia
40, 0.006, 296.813

Achromatomaly
40, 22.325, 22.780

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 61.827, 30.601 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(189, 55, 55)` looks like.

```
.text, #text, p{  
    color:rgb(189, 55, 55)  
}
```

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(189, 55, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 55, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 61.827, 30.601 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(189, 55, 55) }
```

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

```
.border{ border-color:rgb(189, 55, 55) }
```

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

Here you see how a box with a 4 pixel rgb(189, 55, 55) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 55, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 55, 55);  
box-shadow:4px 4px 4px 4px rgb(189, 55,  
55) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 61.827, 30.601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 55, 55) }
```

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

```
.background{ background-color: rgb(189, 55,  
55) }
```

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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