

# Converting Colors

CIELCh(44, 62.216, 26.643)

Have a look what the booklet for  
CIELCh(44, 62.216, 26.643) contains.

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**Color**

**CIELCh(44, 62.216, 26.643)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BF333D
RGB	191, 51, 61
RGB Percent	75%, 20%, 24%
CMY	0.2500, 0.7990, 0.7601
CMYK	0.00, 0.73, 0.68, 0.25
HSL	356°, 58%, 48%
HSV	356°, 73%, 75%
XYZ	23.5925, 13.8382, 5.8688
YIQ	94.0000, 80.2300, 32.7900

# Conversions

## Conversions Part 2

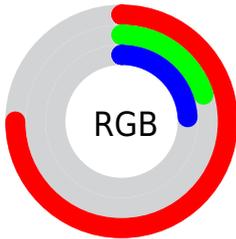
Format	Color
<a href="#">RYB</a>	<a href="#">191, 51, 61</a>
Decimal	<a href="#">12530493</a>
CIELab	<a href="#">44.00, 55.61, 27.90</a>
CIELCh	<a href="#">44, 62.216, 26.643</a>
Yxy	<a href="#">13.8382, 0.5449, 0.3196</a>
Android (android.graphics.Color)	<a href="#">4290720573</a> ( <a href="#">0xFFBF333D</a> )
YUV	<a href="#">94.0000, -16.2690, 85.0690</a>
Hunter-Lab	<a href="#">37.1997, 48.1070, 16.6859</a>

# Details

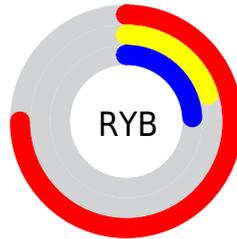
The CIELCh color **44, 62.216, 26.643** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **70, 38.736, 188.315**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 62.069, 26.957**, and **26, 57.474, 31.560** is the 20% darker color. If you saturate the color by 10%, you get **42, 70.336, 30.628**, and if you desaturate by 10%, it is **47, 53.442, 23.303**.

# Distribution



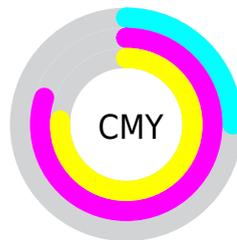
- Red (75%)
- Green (20%)
- Blue (24%)



- Red (75%)
- Yellow (20%)
- Blue (24%)



- Cyan (0%)
- Magenta (73%)
- Yellow (68%)
- Black (25%)



- Cyan (25%)
- Magenta (80%)
- Yellow (76%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 62.216, 26.643 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, 62.216, 26.643 by changing the saturation by 10% instead.

 44, 62.216, 26.643       44, 62.216, 26.643

 100, 62.216,  
26.643       34, 62.216, 26.643

 64, 62.216, 26.643       24, 62.216, 26.643

 74, 62.216, 26.643       14, 62.216, 26.643

 84, 62.216, 26.643       4, 62.216, 26.643

 94, 62.216, 26.643       0, 62.216, 26.643

 44, 62.216, 26.643       44, 62.216, 26.643

 42, 70.336, 30.628       47, 53.442, 23.303

 40, 77.381, 34.879       51, 44.343, 20.633

40, 81.292, 37.301

55, 35.220, 18.540

60, 26.322, 16.901

65, 17.819, 15.602

70, 9.800, 14.548

76, 2.294, 13.538

81, 4.707, 193.190

87, 11.236,  
192.550

# Harmonies

# Complementary

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



44, 62.216, 26.643



70, 38.736, 188.315

# Rectangle

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



44, 62.216, 26.643



44, 62.216, 76.643



44, 62.216, 206.643



44, 62.216, 256.643

# Sweetspot

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



44, 62.213, 26.645



84, 20.940, 15.506



47, 82.364, 325.119



43, 14.195, 15.827



99, 0.012, 296.813



52, 0.007, 296.813



# Same Dimension

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



44, 62.213, 26.645



53, 91.577, 33.294



54, 53.070, 58.517



38, 4.199, 14.186



33, 70.985, 36.780



3, 14.044, 15.535



# Inverse Universe

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



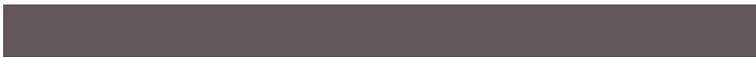
44, 62.213, 26.645



53, 91.577, 33.294



53, 37.862, 262.411



38, 4.199, 14.186



33, 70.985, 36.780



3, 14.044, 15.535



# Previews

## White Background



This preview shows how the CIELCh color 44, 62.216, 26.643 looks on a white background.

## Color Contrast Check

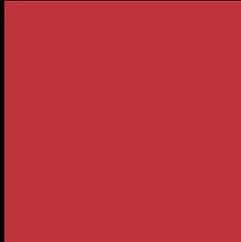
Large Text (above 18pt) WCAG AA ✓ Pass

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, 62.216, 26.643 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

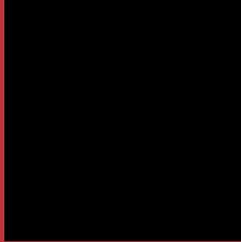
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 44, 62.216, 26.643

## Background



This preview shows how black text looks on a background with the CIELCh color 44, 62.216, 26.643.



This preview shows how white text looks on a background with the CIELCh color 44, 62.216, 26.643.

# 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

44, 62.216, 26.643

### Protanopia

44, 14.588, 95.690

### Deuteranopia

44, 31.335, 79.376



**Tritanopia**  
44, 63.360, 29.847

# Trichromacy



**Original Color**  
44, 62.216, 26.643

**Protanomaly**  
42, 27.338, 36.536

**Deuteranomaly**  
43, 38.640, 46.346

**Tritanomaly**  
44, 62.878, 28.892

# Monochromacy



**Original Color**  
44, 62.216, 26.643

**Achromatopsia**  
40, 0.006, 296.813

**Achromatomaly**  
39, 23.048, 17.112

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 44, 62.216, 26.643 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(191, 51, 61)` looks like.

```
.text, #text, p{  
    color:rgb(191, 51, 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(191, 51, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 51, 61) }
```

## Border

The CSS property to change the border of an element to CIELCh 44, 62.216, 26.643 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(191, 51, 61) }
```

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

```
.border{ border-color:rgb(191, 51, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 51, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 51, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 51, 61);  
box-shadow:4px 4px 4px 4px rgb(191, 51,  
61) }
```

# Background

The CSS property to change the background color of an element to CIELCh 44, 62.216, 26.643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 51, 61) }
```

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

```
.background{ background-color: rgb(191, 51,  
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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