

Converting Colors

CIELCh(45, 61.260, 30.539)

Have a look what the booklet for
CIELCh(45, 61.260, 30.539) contains.

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Color

CIELCh(45, 61.331, 30.587)

Conversions

Conversions Part 1

Format	Color
Hex	C03B3A
RGB	192, 59, 58
RGB Percent	75%, 23%, 23%
CMY	0.2487, 0.7701, 0.7738
CMYK	0.00, 0.69, 0.70, 0.25
HSL	0°, 54%, 49%
HSV	0°, 70%, 75%
XYZ	23.9314, 14.5417, 5.5073
YIQ	98.6530, 79.5890, 27.8850

Conversions

Conversions Part 2

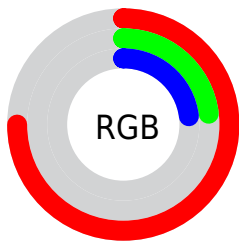
Format	Color
R_{YB}	192, 59, 58
Decimal	12598074
CIE _{Lab}	45.00, 52.80, 31.21
CIE _{LCh}	45, 61.331, 30.587
Yxy	14.5417, 0.5441, 0.3306
Android (android.graphics.Color)	4290788154 (0xFFC03B3A)
YUV	98.6530, -20.0419, 81.8653
Hunter-Lab	38.1336, 45.2872, 18.1308

Details

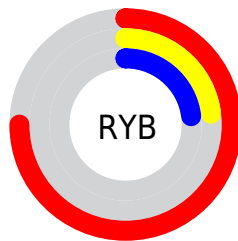
The CIELCh color **45, 61.331, 30.587** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **71, 35.996, 197.515**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 61.325, 30.737**, and **26, 58.717, 33.145** is the 20% darker color. If you saturate the color by 10%, you get **42, 70.505, 33.942**, and if you desaturate by 10%, it is **48, 51.679, 27.739**.

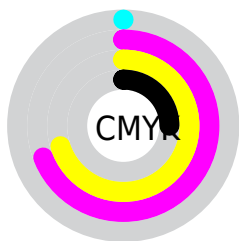
Distribution



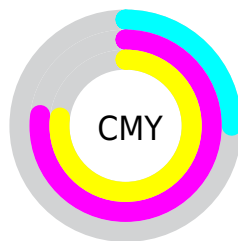
- Red (75%)
- Green (23%)
- Blue (23%)



- Red (75%)
- Yellow (23%)
- Blue (23%)



- Cyan (0%)
- Magenta (69%)
- Yellow (70%)
- Black (25%)



- Cyan (25%)
- Magenta (77%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 61.331, 30.587 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 45, 61.331, 30.587 by changing the saturation by 10% instead.

■ 45, 61.331, 30.587

■ 45, 61.331, 30.587

■ 100, 61.331,
30.587

■ 35, 61.331, 30.587

■ 65, 61.331, 30.587

■ 25, 61.331, 30.587

■ 75, 61.331, 30.587

■ 15, 61.331, 30.587

■ 85, 61.331, 30.587

■ 5, 61.331, 30.587

■ 95, 61.331, 30.587

■ 0, 61.331, 30.587

■ 45, 61.331, 30.587

■ 45, 61.331, 30.587

■ 42, 70.505, 33.942

■ 48, 51.679, 27.739

■ 41, 78.422, 37.323

■ 52, 41.979, 25.471

40, 84.173, 40.036

57, 32.526, 23.718

40, 84.241, 40.070

62, 23.516, 22.375

67, 15.061, 21.341

72, 7.199, 20.518

78, 0.079, 206.787

83, 6.808, 199.591

89, 13.041,
199.180

Harmonies

Complementary

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



45, 61.331, 30.587



71, 35.996, 197.515

Rectangle

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



45, 61.331, 30.587



45, 61.331, 80.587



45, 61.331, 210.587



45, 61.331, 260.587

Sweetspot

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



45, 61.328, 30.590



84, 19.847, 21.476



49, 80.425, 327.755



43, 13.576, 21.747



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



45, 61.328, 30.590



54, 91.675, 35.845



58, 50.141, 66.547



38, 4.159, 20.479



33, 73.632, 39.818



3, 13.935, 19.785

Inverse Universe

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



71, 35.996, 197.515



89, 47.501, 197.414



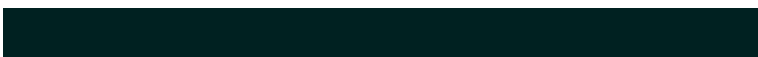
51, 41.224, 271.337



40, 3.921, 199.583



59, 35.128, 197.449



11, 12.346, 197.208

Previews

White Background



This preview shows how the CIELCh color 45, 61.331, 30.587 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 45, 61.331, 30.587 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 45, 61.331, 30.587

Background



This preview shows how black text looks on a background with the CIELCh color 45, 61.331, 30.587.



This preview shows how white text looks on a background with the CIELCh color 45, 61.331, 30.587.

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

45, 61.331, 30.587

Protanopia

45, 19.322, 95.192

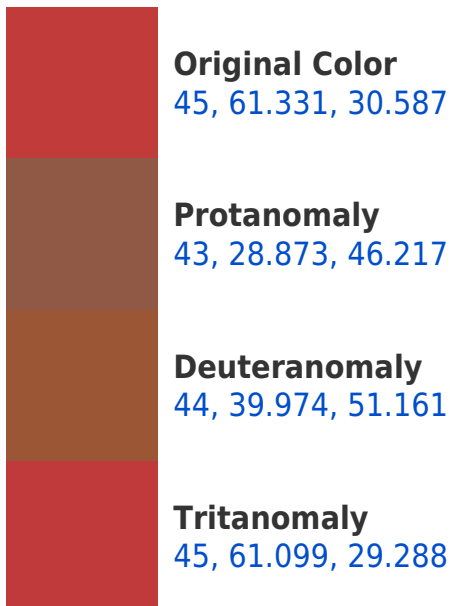
Deuteranopia

45, 34.222, 79.558

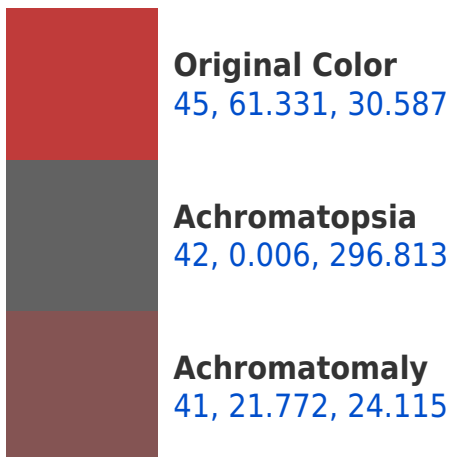


Tritanopia
45, 60.865, 28.791

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 61.331, 30.587 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(192, 59, 58)` looks like.

```
.text, #text, p{  
    color:rgb(192, 59, 58)  
}
```

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(192, 59, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 59, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 61.331, 30.587 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(192, 59, 58) }
```

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

```
.border{ border-color:rgb(192, 59, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 59, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 59, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 59, 58);  
box-shadow:4px 4px 4px 4px rgb(192, 59,  
58) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 61.331, 30.587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 59, 58) }
```

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

```
.background{ background-color: rgb(192, 59,  
58) }
```

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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