

Converting Colors

CIELCh(45, 61.624, 30.312)

Have a look what the booklet for
CIELCh(45, 61.624, 30.312) contains.

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Color

CIELCh(45, 61.580, 30.267)

Conversions

Conversions Part 1

Format	Color
Hex	C03A3A
RGB	192, 58, 58
RGB Percent	75%, 23%, 23%
CMY	0.2470, 0.7725, 0.7725
CMYK	0.00, 0.70, 0.70, 0.25
HSL	0°, 54%, 49%
HSV	0°, 70%, 75%
XYZ	24.0199, 14.5417, 5.5453
YIQ	98.0660, 79.8640, 28.4080

Conversions

Conversions Part 2

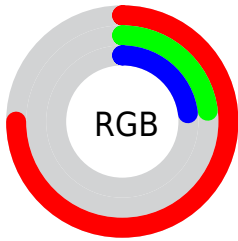
Format	Color
RYB	192, 58, 58
Decimal	12597818
CIELab	45.00, 53.19, 31.04
CIElCh	45, 61.580, 30.267
Yxy	14.5417, 0.5446, 0.3297
Android (android.graphics.Color)	4290787898 (0xFFC03A3A)
YUV	98.0660, -19.7525, 82.3801
Hunter-Lab	38.1336, 45.7012, 18.0717

Details

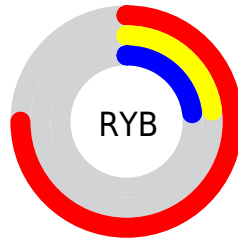
The CIELCh color **45, 61.580, 30.267** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **71, 36.324, 196.694**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 61.607, 30.333**, and **26, 58.717, 33.145** is the 20% darker color. If you saturate the color by 10%, you get **42, 70.736, 33.706**, and if you desaturate by 10%, it is **48, 51.921, 27.352**.

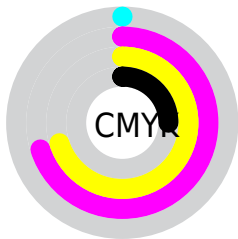
Distribution



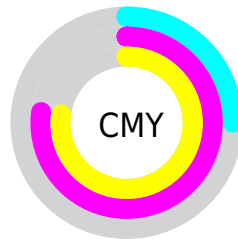
- Red (75%)
- Green (23%)
- Blue (23%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 61.580, 30.267 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, 61.580, 30.267 by changing the saturation by 10% instead.

■ 45, 61.580, 30.267

■ 45, 61.580, 30.267

■ 100, 61.580,
30.267

■ 35, 61.580, 30.267

■ 65, 61.580, 30.267

■ 25, 61.580, 30.267

■ 75, 61.580, 30.267

■ 15, 61.580, 30.267

■ 85, 61.580, 30.267

■ 5, 61.580, 30.267

■ 95, 61.580, 30.267

■ 0, 61.580, 30.267

■ 45, 61.580, 30.267

■ 45, 61.580, 30.267

■ 42, 70.736, 33.706

■ 48, 51.921, 27.352

■ 41, 78.621, 37.183

■ 52, 42.191, 25.034

40, 84.351, 39.938

57, 32.690, 23.241

40, 84.479, 40.001

62, 23.624, 21.867

67, 15.109, 20.807

72, 7.187, 19.960

78, 0.149, 203.006

83, 6.933, 198.992

89, 13.218,
198.564

Harmonies

Complementary

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



45, 61.580, 30.267



71, 36.324, 196.694

Rectangle

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



45, 61.580, 30.267



45, 61.580, 80.267



45, 61.580, 210.267



45, 61.580, 260.267

Sweetspot

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



45, 61.577, 30.270



84, 19.979, 20.954



50, 80.494, 327.753



43, 13.665, 21.233



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, 61.577, 30.270



54, 91.863, 35.690



58, 50.158, 66.560



38, 4.187, 19.928



33, 73.726, 39.725



3, 13.998, 19.410

Inverse Universe

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



71, 36.324, 196.694



90, 47.919, 196.482



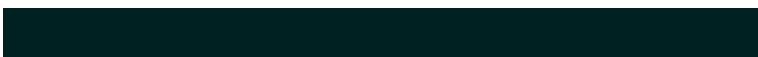
51, 41.245, 271.304



40, 3.949, 198.989



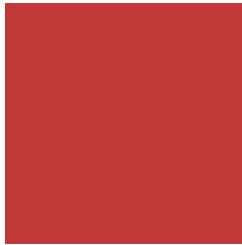
60, 35.470, 196.401



11, 12.442, 196.403

Previews

White Background



This preview shows how the CIELCh color 45, 61.580, 30.267 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, 61.580, 30.267 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, 61.580, 30.267

Background



This preview shows how black text looks on a background with the CIELCh color 45, 61.580, 30.267.



This preview shows how white text looks on a background with the CIELCh color 45, 61.580, 30.267.

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, 61.580, 30.267

Protanopia

45, 18.753, 94.929

Deuteranopia

45, 33.985, 80.275



Tritanopia
45, 61.099, 29.288

Trichromacy



Original Color
45, 61.580, 30.267

Protanomaly
44, 29.313, 45.879

Deuteranomaly
44, 39.974, 51.161

Tritanomaly
45, 61.337, 29.780

Monochromacy



Original Color
45, 61.580, 30.267

Achromatopsia
42, 0.006, 296.813

Achromatomaly
41, 22.174, 22.672

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 61.580, 30.267 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, 58, 58)` looks like.

```
.text, #text, p{  
    color:rgb(192, 58, 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, 58, 58) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 45, 61.580, 30.267 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, 58, 58) }
```

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

```
.border{ border-color:rgb(192, 58, 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, 58, 58)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to CIELCh 45, 61.580, 30.267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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