

Converting Colors

CIELCh(45, 58.236, 28.133)

Have a look what the booklet for
CIELCh(45, 58.236, 28.133) contains.

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Color

CIELCh(45, 58.158, 28.026)

Conversions

Conversions Part 1

Format	Color
Hex	BD3D40
RGB	189, 61, 64
RGB Percent	74%, 24%, 25%
CMY	0.2586, 0.7605, 0.7488
CMYK	0.00, 0.68, 0.66, 0.26
HSL	359°, 51%, 49%
HSV	359°, 68%, 74%
XYZ	23.6012, 14.5417, 6.4205
YIQ	99.6140, 75.3250, 28.0690

Conversions

Conversions Part 2

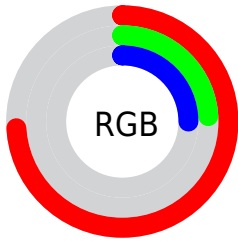
Format	Color
RYB	189, 61, 64
Decimal	12401984
CIELab	45.00, 51.34, 27.33
CIElCh	45, 58.158, 28.026
Yxy	14.5417, 0.5296, 0.3263
Android (android.graphics.Color)	4290592064 (0xFFBD3D40)
YUV	99.6140, -17.5577, 78.3915
Hunter-Lab	38.1336, 43.7412, 16.7109

Details

The CIELCh color **45, 58.158, 28.026** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **70, 35.759, 194.030**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 58.097, 28.128**, and **26, 56.521, 30.371** is the 20% darker color. If you saturate the color by 10%, you get **42, 67.115, 31.491**, and if you desaturate by 10%, it is **48, 48.798, 25.173**.

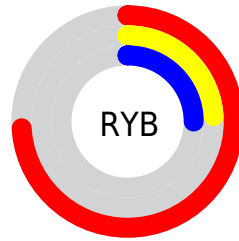
Distribution



Red (74%)

Green (24%)

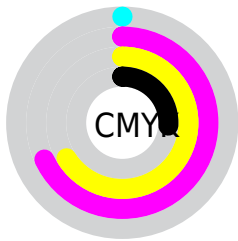
Blue (25%)



Red (74%)

Yellow (24%)

Blue (25%)

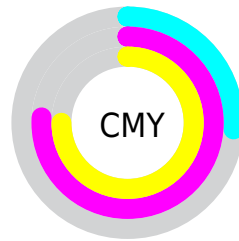


Cyan (0%)

Magenta (68%)

Yellow (66%)

Black (26%)



Cyan (26%)

Magenta (76%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 58.158, 28.026 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, 58.158, 28.026 by changing the saturation by 10% instead.

 45, 58.158, 28.026

 45, 58.158, 28.026

 100, 58.158,
28.026

 35, 58.158, 28.026

 65, 58.158, 28.026

 25, 58.158, 28.026

 75, 58.158, 28.026

 15, 58.158, 28.026

 85, 58.158, 28.026


 5, 58.158, 28.026

 95, 58.158, 28.026

 0, 58.158, 28.026

 45, 58.158, 28.026

 45, 58.158, 28.026

 42, 67.115, 31.491

 48, 48.798, 25.173

 40, 75.158, 35.277

 53, 39.394, 22.922

39, 81.246, 38.484

57, 30.217, 21.178

39, 82.468, 39.079

62, 21.457, 19.826

67, 13.218, 18.767

72, 5.538, 17.892

78, 1.591, 197.666

83, 8.203, 196.875

89, 14.344,
196.420

Harmonies

Complementary

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



45, 58.158, 28.026



70, 35.759, 194.030

Rectangle

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



45, 58.158, 28.026



45, 58.158, 78.026



45, 58.158, 208.026



45, 58.158, 258.026

Sweetspot

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



45, 58.155, 28.029



83, 18.603, 19.021



49, 77.670, 326.622



42, 12.819, 19.312



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



45, 58.155, 28.029



54, 86.164, 33.225



57, 47.879, 63.738



37, 4.095, 18.031



32, 71.900, 38.726



3, 12.259, 18.062

Inverse Universe

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



45, 58.155, 28.029



54, 86.164, 33.225



52, 37.666, 266.662



37, 4.095, 18.031



32, 71.900, 38.726



3, 12.259, 18.062

Previews

White Background



This preview shows how the CIELCh color 45, 58.158, 28.026 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, 58.158, 28.026 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, 58.158, 28.026

Background



This preview shows how black text looks on a background with the CIELCh color 45, 58.158, 28.026.



This preview shows how white text looks on a background with the CIELCh color 45, 58.158, 28.026.

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
45, 58.158, 28.026

Trichromacy



Original Color
45, 58.158, 28.026

Protanomaly
44, 26.303, 41.829

Deuteranomaly
44, 36.337, 48.308

Tritanomaly
45, 58.158, 28.026

Monochromacy



Original Color
45, 58.158, 28.026

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 20.572, 20.732

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 58.158, 28.026 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, 61, 64)` looks like.

```
.text, #text, p{  
    color:rgb(189, 61, 64)  
}
```

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, 61, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 61, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 58.158, 28.026 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, 61, 64) }
```

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

```
.border{ border-color:rgb(189, 61, 64) }
```

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

Here you see how a box with a 4 pixel rgb(189, 61, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 61, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 61, 64);  
box-shadow:4px 4px 4px 4px rgb(189, 61,  
64) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 58.158, 28.026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 61, 64) }
```

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

```
.background{ background-color: rgb(189, 61,  
64) }
```

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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