

Converting Colors

CIELCh(50, 70.863, 30.946)

Have a look what the booklet for
CIELCh(50, 70.863, 30.946) contains.

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Color

CIELCh(50, 70.863, 30.946)

Conversions

Conversions Part 1

Format	Color
Hex	DA3C3D
RGB	218, 60, 61
RGB Percent	85%, 24%, 24%
CMY	0.1459, 0.7655, 0.7614
CMYK	0.00, 0.73, 0.72, 0.15
HSL	360°, 68%, 54%
HSV	360°, 73%, 85%
XYZ	31.2941, 18.4187, 6.2995
YIQ	107.3560, 93.8470, 33.8070

Conversions

Conversions Part 2

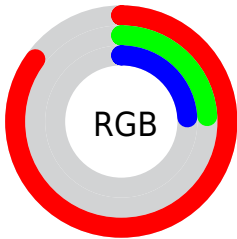
Format	Color
R_{YB}	218, 60, 61
Decimal	14302269
CIE Lab	50.00, 60.78, 36.44
CIE LCh	50, 70.863, 30.946
Yxy	18.4187, 0.5587, 0.3288
Android (android.graphics.Color)	4292492349 (0xFFDA3C3D)
YUV	107.3560, -22.8535, 97.0348
Hunter-Lab	42.9170, 55.0534, 21.3391

Details

The CIELCh color **50, 70.863, 30.946** 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 **80, 40.958, 195.820**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 59.756, 30.528**, and **32, 67.196, 34.306** is the 20% darker color. If you saturate the color by 10%, you get **48, 80.601, 34.565**, and if you desaturate by 10%, it is **53, 60.359, 27.784**.

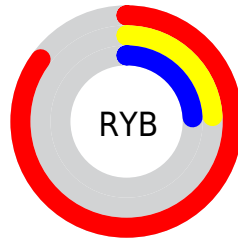
Distribution



Red (85%)

Green (24%)

Blue (24%)



Red (85%)

Yellow (24%)

Blue (24%)

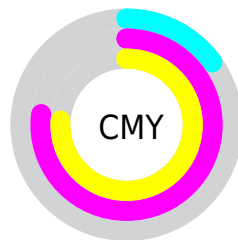


Cyan (0%)

Magenta (73%)

Yellow (72%)

Black (15%)



Cyan (15%)

Magenta (77%)

Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 70.863, 30.946 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 50, 70.863, 30.946 by changing the saturation by 10% instead.

 50, 70.863, 30.946

 50, 70.863, 30.946

 100, 70.863,
30.946

 40, 70.863, 30.946

 70, 70.863, 30.946

 30, 70.863, 30.946

 80, 70.863, 30.946

 20, 70.863, 30.946

 90, 70.863, 30.946

 10, 70.863, 30.946

 0, 70.863, 30.946

 50, 70.863, 30.946

 50, 70.863, 30.946

 48, 80.601, 34.565

 53, 60.359, 27.784

 46, 88.511, 37.963

 58, 49.630, 25.237

 45, 92.547, 39.776

 63, 39.045, 23.259

68, 28.871, 21.740

74, 19.269, 20.570

79, 10.312, 19.650

85, 2.009, 18.720

92, 5.672, 198.569

97, 12.517,
198.670

Harmonies

Complementary

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



50, 70.863, 30.946



80, 40.958, 195.820

Rectangle

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



50, 70.863, 30.946



50, 70.863, 80.946



50, 70.863, 210.946



50, 70.863, 260.946

Sweetspot

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



50, 70.860, 30.948



85, 21.347, 20.535



55, 91.024, 327.297



43, 14.493, 20.823



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



50, 70.860, 30.948



55, 95.842, 36.444



64, 57.949, 64.541



43, 4.638, 19.396



36, 77.948, 39.660



5, 23.829, 19.984

Inverse Universe

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



50, 70.860, 30.948



55, 95.842, 36.444



57, 46.136, 270.721



43, 4.638, 19.396



36, 77.948, 39.660



5, 23.829, 19.984

Previews

White Background



This preview shows how the CIELCh color 50, 70.863, 30.946 looks on a white 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

Black Background



This preview shows how the CIELCh color 50, 70.863, 30.946 looks on a black 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

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

CIELCh 50, 70.863, 30.946

Background



This preview shows how black text looks on a background with the CIELCh color 50, 70.863, 30.946.



This preview shows how white text looks on a background with the CIELCh color 50, 70.863, 30.946.

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

50, 70.863, 30.946

Protanopia

50, 22.426, 95.657

Deuteranopia

50, 39.670, 80.995



Tritanopia
50, 70.616, 30.540

Trichromacy



Original Color
50, 70.863, 30.946

Protanomaly
48, 33.659, 45.678

Deuteranomaly
48, 46.100, 51.384

Tritanomaly
50, 70.616, 30.540

Monochromacy



Original Color
50, 70.863, 30.946

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 25.469, 22.959

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 70.863, 30.946 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(218, 60, 61)` looks like.

```
.text, #text, p{  
    color:rgb(218, 60, 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(218, 60, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 60, 61) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 70.863, 30.946 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(218, 60, 61) }
```

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

```
.border{ border-color:rgb(218, 60, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 60, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 60, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 60, 61);  
box-shadow:4px 4px 4px 4px rgb(218, 60,  
61) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 70.863, 30.946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 60, 61) }
```

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

```
.background{ background-color: rgb(218, 60,  
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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