

Converting Colors

CIELCh(46, 69.148, 31.943)

Have a look what the booklet for
CIELCh(46, 69.148, 31.943) contains.

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Color

CIELCh(46, 69.418, 32.063)

Conversions

Conversions Part 1

Format	Color
Hex	CB3333
RGB	203, 51, 51
RGB Percent	80%, 20%, 20%
CMY	0.2045, 0.8005, 0.8004
CMYK	0.00, 0.75, 0.75, 0.20
HSL	360°, 60%, 50%
HSV	360°, 75%, 80%
XYZ	26.3611, 15.2687, 4.6775
YIQ	96.4480, 90.5920, 32.2240

Conversions

Conversions Part 2

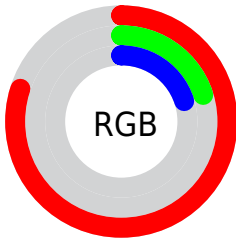
Format	Color
RYB	203, 51, 51
Decimal	13316915
CIELab	46.00, 58.83, 36.85
CIElCh	46, 69.418, 32.063
Yxy	15.2687, 0.5693, 0.3297
Android (android.graphics.Color)	4291506995 (0xFFCB3333)
YUV	96.4480, -22.4059, 93.4461
Hunter-Lab	39.0751, 52.0393, 20.2552

Details

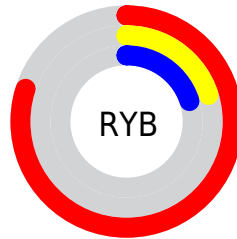
The CIELCh color **46, 69.418, 32.063** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **75, 39.179, 196.565**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 64.668, 31.928**, and **29, 64.749, 37.085** is the 20% darker color. If you saturate the color by 10%, you get **44, 78.413, 35.639**, and if you desaturate by 10%, it is **49, 59.533, 28.827**.

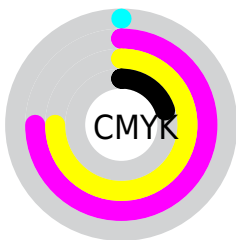
Distribution



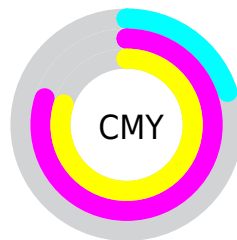
- Red (80%)
- Green (20%)
- Blue (20%)



- Red (80%)
- Yellow (20%)
- Blue (20%)



- Cyan (0%)
- Magenta (75%)
- Yellow (75%)
- Black (20%)



- Cyan (20%)
- Magenta (80%)
- Yellow (80%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 69.418, 32.063 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 46, 69.418, 32.063 by changing the saturation by 10% instead.

 46, 69.418, 32.063

 46, 69.418, 32.063

 100, 69.418,
32.063

 36, 69.418, 32.063

 66, 69.418, 32.063

 26, 69.418, 32.063

 76, 69.418, 32.063

 16, 69.418, 32.063

 86, 69.418, 32.063

 6, 69.418, 32.063

 96, 69.418, 32.063

 0, 69.418, 32.063

 46, 69.418, 32.063

 46, 69.418, 32.063

 44, 78.413, 35.639

 49, 59.533, 28.827

 43, 85.262, 38.706

 53, 49.357, 26.180

42, 88.008, 39.992

57, 39.263, 24.112

62, 29.522, 22.523

68, 20.306, 21.305

73, 11.696, 20.356

79, 3.712, 19.536

85, 3.674, 199.278

90, 10.506,
198.738

Harmonies

Complementary

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



46, 69.418, 32.063



75, 39.179, 196.565

Rectangle

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



46, 69.418, 32.063



46, 69.418, 82.063



46, 69.418, 212.063



46, 69.418, 262.063

Sweetspot

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



46, 69.415, 32.065



85, 21.363, 21.033



51, 87.750, 327.343



43, 14.506, 21.317



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



46, 69.415, 32.065



54, 98.727, 37.709



59, 56.593, 64.238



40, 4.369, 19.908



34, 75.545, 39.814



4, 17.910, 19.395

Inverse Universe

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



46, 69.415, 32.065



54, 98.727, 37.709



53, 44.892, 271.549



40, 4.369, 19.908



34, 75.545, 39.814



4, 17.910, 19.395

Previews

White Background



This preview shows how the CIELCh color 46, 69.418, 32.063 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 46, 69.418, 32.063 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 46, 69.418, 32.063

Background



This preview shows how black text looks on a background with the CIELCh color 46, 69.418, 32.063.



This preview shows how white text looks on a background with the CIELCh color 46, 69.418, 32.063.

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

46, 69.418, 32.063

Protanopia

46, 23.837, 95.705

Deuteranopia

46, 39.856, 80.956



Tritanopia
46, 69.157, 31.652

Trichromacy



Original Color
46, 69.418, 32.063

Protanomaly
44, 34.217, 47.775

Deuteranomaly
45, 46.126, 52.461

Tritanomaly
46, 69.157, 31.652

Monochromacy



Original Color
46, 69.418, 32.063

Achromatopsia
41, 0.006, 296.813

Achromatomaly
40, 25.096, 23.206

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 69.418, 32.063 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(203, 51, 51)` looks like.

```
.text, #text, p{  
    color:rgb(203, 51, 51)  
}
```

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(203, 51, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 51, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 69.418, 32.063 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(203, 51, 51) }
```

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

```
.border{ border-color:rgb(203, 51, 51) }
```

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

Here you see how a box with a 4 pixel rgb(203, 51, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 51, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 51, 51);  
box-shadow:4px 4px 4px 4px rgb(203, 51,  
51) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 69.418, 32.063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 51, 51) }
```

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

```
.background{ background-color: rgb(203, 51,  
51) }
```

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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