

Converting Colors

CIELCh(46, 68.404, 28.624)

Have a look what the booklet for
CIELCh(46, 68.404, 28.624) contains.

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Color

CIELCh(46, 68.485, 28.704)

Conversions

Conversions Part 1

Format	Color
Hex	CC313A
RGB	204, 49, 58
RGB Percent	80%, 19%, 23%
CMY	0.2012, 0.8090, 0.7734
CMYK	0.00, 0.76, 0.72, 0.20
HSL	356°, 61%, 49%
HSV	356°, 76%, 80%
XYZ	26.6629, 15.2687, 5.5162
YIQ	96.3710, 89.4910, 35.6590

Conversions

Conversions Part 2

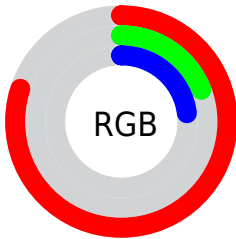
Format	Color
RYB	204, 49, 58
Decimal	13381946
CIELab	46.00, 60.07, 32.89
CIELCh	46, 68.485, 28.704
Yxy	15.2687, 0.5619, 0.3218
Android (android.graphics.Color)	4291572026 (0xFFCC313A)
YUV	96.3710, -18.9169, 94.3906
Hunter-Lab	39.0751, 53.4180, 18.9827

Details

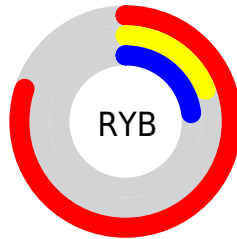
The CIELCh color **46, 68.485, 28.704** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **75, 41.063, 189.482**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 63.451, 28.439**, and **29, 62.899, 34.117** is the 20% darker color. If you saturate the color by 10%, you get **44, 76.862, 32.780**, and if you desaturate by 10%, it is **49, 59.288, 25.165**.

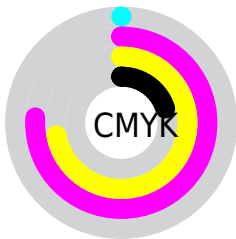
Distribution



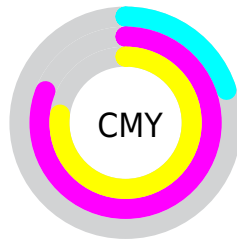
- Red (80%)
- Green (19%)
- Blue (23%)



- Red (80%)
- Yellow (19%)
- Blue (23%)



- Cyan (0%)
- Magenta (76%)
- Yellow (72%)
- Black (20%)



- Cyan (20%)
- Magenta (81%)
- Yellow (77%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 68.485, 28.704 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, 68.485, 28.704 by changing the saturation by 10% instead.

 46, 68.485, 28.704

 46, 68.485, 28.704

 100, 68.485,
28.704

 36, 68.485, 28.704

 66, 68.485, 28.704

 26, 68.485, 28.704

 76, 68.485, 28.704

 16, 68.485, 28.704

 86, 68.485, 28.704

 6, 68.485, 28.704

 96, 68.485, 28.704

 0, 68.485, 28.704

 46, 68.485, 28.704

 46, 68.485, 28.704

 44, 76.862, 32.780

 49, 59.288, 25.165

 43, 83.746, 36.775

 53, 49.666, 22.299

42, 85.896, 37.937

57, 39.953, 20.048

62, 30.434, 18.293

67, 21.311, 16.916

73, 12.699, 15.815

78, 4.641, 14.872

84, 2.867, 194.476

90, 9.856, 193.756

Harmonies

Complementary

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



46, 68.485, 28.704



75, 41.063, 189.482

Rectangle

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



46, 68.485, 28.704



46, 68.485, 78.704



46, 68.485, 208.704



46, 68.485, 258.704

Sweetspot

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



46, 68.482, 28.706



85, 22.330, 16.585



49, 88.673, 325.705



43, 15.647, 17.023



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, 68.482, 28.706



54, 96.308, 35.296



58, 58.143, 59.611



40, 4.376, 15.181



34, 73.199, 37.404



4, 17.945, 16.517

Inverse Universe

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



46, 68.482, 28.706



54, 96.308, 35.296



55, 42.185, 265.943



40, 4.376, 15.181



34, 73.199, 37.404



4, 17.945, 16.517

Previews

White Background



This preview shows how the CIELCh color 46, 68.485, 28.704 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, 68.485, 28.704 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, 68.485, 28.704

Background



This preview shows how black text looks on a background with the CIELCh color 46, 68.485, 28.704.



This preview shows how white text looks on a background with the CIELCh color 46, 68.485, 28.704.

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, 68.485, 28.704

Protanopia
46, 18.567, 96.390

Deuteranopia
46, 35.835, 79.805



Tritanopia
46, 69.626, 31.829

Trichromacy



Original Color
46, 68.485, 28.704

Protanomaly
44, 31.094, 41.467

Deuteranomaly
44, 43.669, 48.284

Tritanomaly
46, 69.109, 31.003

Monochromacy



Original Color
46, 68.485, 28.704

Achromatopsia
41, 0.006, 296.813

Achromatomaly
40, 25.326, 19.336

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 68.485, 28.704 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(204, 49, 58)` looks like.

```
.text, #text, p{  
    color:rgb(204, 49, 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(204, 49, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 49, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 68.485, 28.704 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(204, 49, 58) }
```

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

```
.border{ border-color:rgb(204, 49, 58) }
```

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

Here you see how a box with a 4 pixel rgb(204, 49, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 49, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 49, 58);  
box-shadow:4px 4px 4px 4px rgb(204, 49,  
58) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 68.485, 28.704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 49, 58) }
```

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

```
.background{ background-color: rgb(204, 49,  
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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