

Converting Colors

CIELCh(46, 69.245, 23.666)

Have a look what the booklet for
CIELCh(46, 69.245, 23.666) contains.

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Color

CIELCh(46, 69.170, 23.537)

Conversions

Conversions Part 1

Format	Color
Hex	CF2A43
RGB	207, 42, 67
RGB Percent	81%, 16%, 26%
CMY	0.1892, 0.8364, 0.7380
CMYK	0.00, 0.80, 0.68, 0.19
HSL	351°, 66%, 49%
HSV	351°, 80%, 81%
XYZ	27.4891, 15.2687, 6.7805
YIQ	94.1850, 90.3150, 42.7550

Conversions

Conversions Part 2

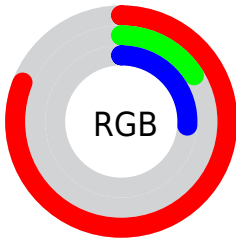
Format	Color
R_{YB}	207, 42, 67
Decimal	13576771
CIE _{Lab}	46.00, 63.42, 27.62
CIE _{LCh}	46, 69.170, 23.537
Yxy	15.2687, 0.5549, 0.3082
Android (android.graphics.Color)	4291766851 (0xFFCF2A43)
YUV	94.1850, -13.4022, 98.9388
Hunter-Lab	39.0751, 57.1919, 17.0643

Details

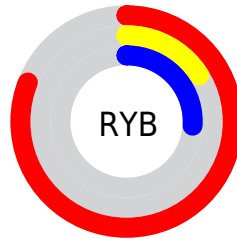
The CIELCh color **46, 69.170, 23.537** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark muted red. A complement of this color would be **75, 46.064, 178.864**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 62.999, 22.305**, and **30, 61.503, 30.331** is the 20% darker color. If you saturate the color by 10%, you get **44, 76.104, 28.255**, and if you desaturate by 10%, it is **49, 61.275, 19.548**.

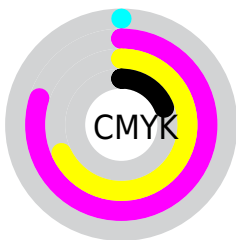
Distribution



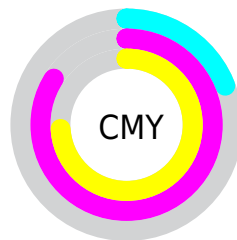
- Red (81%)
- Green (16%)
- Blue (26%)



- Red (81%)
- Yellow (16%)
- Blue (26%)



- Cyan (0%)
- Magenta (80%)
- Yellow (68%)
- Black (19%)



- Cyan (19%)
- Magenta (84%)
- Yellow (74%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 69.170, 23.537 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, 69.170, 23.537 by changing the saturation by 10% instead.

 46, 69.170, 23.537

 46, 69.170, 23.537

 100, 69.170,
23.537

 36, 69.170, 23.537

 66, 69.170, 23.537

 26, 69.170, 23.537

 76, 69.170, 23.537

 16, 69.170, 23.537

 86, 69.170, 23.537

 6, 69.170, 23.537

 96, 69.170, 23.537

 0, 69.170, 23.537

 46, 69.170, 23.537

 46, 69.170, 23.537

 44, 76.104, 28.255

 49, 61.275, 19.548

 43, 82.142, 33.145

 52, 52.604, 16.338

43, 82.249, 33.224

57, 43.458, 13.803

61, 34.173, 11.801

66, 25.024, 10.200

72, 16.197, 8.894

77, 7.797, 7.790

83, 0.137, 190.895

89, 7.602, 186.265

Harmonies

Complementary

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



46, 69.170, 23.537



75, 46.064, 178.864

Rectangle

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



46, 69.170, 23.537



46, 69.170, 73.537



46, 69.170, 203.537



46, 69.170, 253.537

Sweetspot

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



46, 69.167, 23.539



84, 23.540, 9.448



47, 92.214, 322.415



42, 16.325, 9.929



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, 69.167, 23.539



54, 94.336, 31.961



54, 64.164, 51.091



41, 4.542, 7.748



35, 70.005, 32.433



4, 20.123, 12.404

Inverse Universe

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



46, 69.167, 23.539



54, 94.336, 31.961



59, 38.476, 252.828



41, 4.542, 7.748



35, 70.005, 32.433



4, 20.123, 12.404

Previews

White Background



This preview shows how the CIELCh color 46, 69.170, 23.537 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 CIE LCh color 46, 69.170, 23.537 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

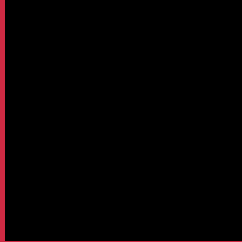
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 69.170, 23.537

Background



This preview shows how black text looks on a background with the CIELCh color 46, 69.170, 23.537.



This preview shows how white text looks on a background with the CIELCh color 46, 69.170, 23.537.

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](#).

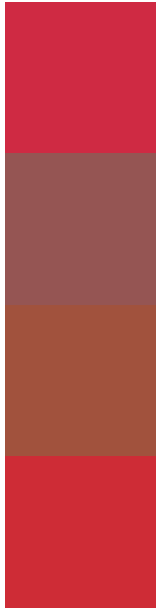
Dichromacy





Tritanopia
46, 72.655, 32.698

Trichromacy



Original Color
46, 69.170, 23.537

Protanomaly
44, 29.196, 25.870

Deuteranomaly
44, 40.977, 41.352

Tritanomaly
46, 71.236, 29.522

Monochromacy



Original Color
46, 69.170, 23.537

Achromatopsia
40, 0.006, 296.813

Achromatomaly
39, 27.102, 12.545

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 69.170, 23.537 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(207, 42, 67)` looks like.

```
.text, #text, p{  
    color:rgb(207, 42, 67)  
}
```

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(207, 42, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 42, 67) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 69.170, 23.537 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(207, 42, 67) }
```

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

```
.border{ border-color:rgb(207, 42, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 42, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 42, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 42, 67);  
box-shadow:4px 4px 4px 4px rgb(207, 42,  
67) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 69.170, 23.537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 42, 67) }
```

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

```
.background{ background-color: rgb(207, 42,  
67) }
```

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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