

Converting Colors

CIELCh(46, 66.087, 23.505)

Have a look what the booklet for
CIELCh(46, 66.087, 23.505) contains.

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Color

CIELCh(46, 66.010, 23.289)

Conversions

Conversions Part 1

Format	Color
Hex	CB3045
RGB	203, 48, 69
RGB Percent	80%, 19%, 27%
CMY	0.2034, 0.8112, 0.7291
CMYK	0.00, 0.76, 0.66, 0.20
HSL	352°, 62%, 49%
HSV	352°, 76%, 80%
XYZ	26.8007, 15.2687, 7.1792
YIQ	96.7390, 85.6390, 39.3910

Conversions

Conversions Part 2

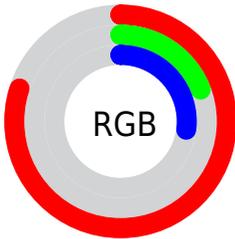
Format	Color
RYB	203, 48, 69
Decimal	13316165
CIELab	46.00, 60.63, 26.10
CIElCh	46, 66.010, 23.289
Yxy	15.2687, 0.5442, 0.3100
Android (android.graphics.Color)	4291506245 (0xFFCB3045)
YUV	96.7390, -13.6753, 93.1909
Hunter-Lab	39.0751, 54.0472, 16.4594

Details

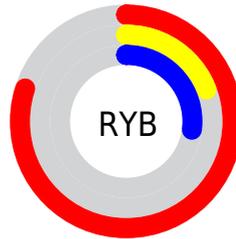
The CIELCh color **46, 66.010, 23.289** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **74, 43.726, 181.061**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 61.755, 22.360**, and **29, 59.720, 29.312** is the 20% darker color. If you saturate the color by 10%, you get **44, 73.421, 27.727**, and if you desaturate by 10%, it is **49, 57.733, 19.597**.

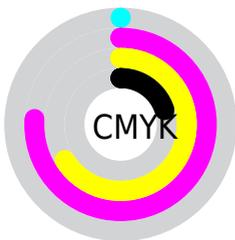
Distribution



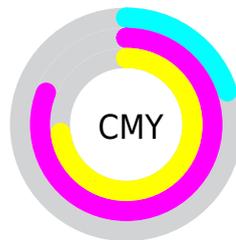
- Red (80%)
- Green (19%)
- Blue (27%)



- Red (80%)
- Yellow (19%)
- Blue (27%)



- Cyan (0%)
- Magenta (76%)
- Yellow (66%)
- Black (20%)



- Cyan (20%)
- Magenta (81%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 66.010, 23.289 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, 66.010, 23.289 by changing the saturation by 10% instead.

 46, 66.010, 23.289  46, 66.010, 23.289

 100, 66.010,
23.289  36, 66.010, 23.289

 66, 66.010, 23.289  26, 66.010, 23.289

 76, 66.010, 23.289  16, 66.010, 23.289

 86, 66.010, 23.289  6, 66.010, 23.289

 96, 66.010, 23.289  0, 66.010, 23.289

 46, 66.010, 23.289  46, 66.010, 23.289

 44, 73.421, 27.727  49, 57.733, 19.597

 43, 79.818, 32.584  53, 48.838, 16.646

42, 82.019, 34.207

57, 39.643, 14.320

62, 30.456, 12.482

67, 21.511, 11.008

73, 12.955, 9.800

78, 4.858, 8.746

84, 2.761, 188.221

90, 9.913, 187.374

Harmonies

Complementary

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



46, 66.010, 23.289



74, 43.726, 181.061

Rectangle

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



46, 66.010, 23.289



46, 66.010, 73.289



46, 66.010, 203.289



46, 66.010, 253.289

Sweetspot

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



46, 66.007, 23.291



85, 22.439, 10.623



47, 88.546, 322.973



43, 15.689, 11.097



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, 66.007, 23.291



54, 92.544, 31.089



55, 59.660, 52.590



40, 4.431, 9.070



34, 69.946, 33.447



4, 18.059, 12.776

Inverse Universe

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



46, 66.007, 23.291



54, 92.544, 31.089



58, 37.541, 254.009



40, 4.431, 9.070



34, 69.946, 33.447



4, 18.059, 12.776

Previews

White Background



This preview shows how the CIELCh color 46, 66.010, 23.289 looks on a white background.

Color Contrast Check

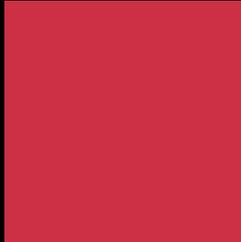
Large Text (above 18pt) WCAG AA ✓ Pass

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, 66.010, 23.289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

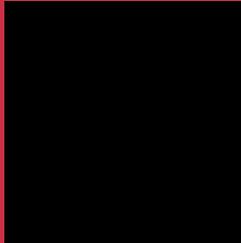
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

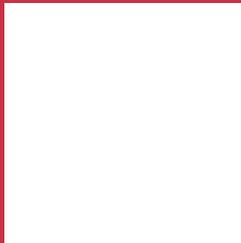
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 66.010, 23.289

Background



This preview shows how black text looks on a background with the CIELCh color 46, 66.010, 23.289.

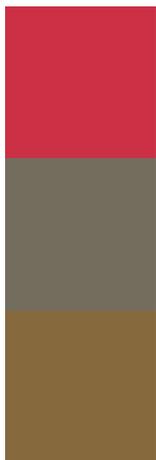


This preview shows how white text looks on a background with the CIELCh color 46, 66.010, 23.289.

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, 66.010, 23.289

Protanopia

46, 9.233, 92.610

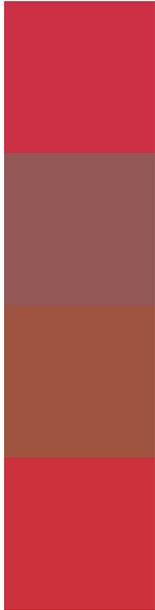
Deuteranopia

46, 29.556, 78.573



Tritanopia
46, 68.898, 31.237

Trichromacy



Original Color
46, 66.010, 23.289

Protanomaly
44, 27.249, 25.691

Deuteranomaly
44, 38.672, 41.236

Tritanomaly
46, 67.643, 28.409

Monochromacy



Original Color
46, 66.010, 23.289

Achromatopsia
41, 0.006, 296.813

Achromatomaly
40, 25.594, 12.829

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 66.010, 23.289 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, 48, 69)` looks like.

```
.text, #text, p{  
    color:rgb(203, 48, 69)  
}
```

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, 48, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 48, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 66.010, 23.289 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, 48, 69) }
```

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

```
.border{ border-color:rgb(203, 48, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 48, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 48, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 48, 69);  
box-shadow:4px 4px 4px 4px rgb(203, 48,  
69) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 66.010, 23.289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 48, 69) }
```

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

```
.background{ background-color: rgb(203, 48,  
69) }
```

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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