

Converting Colors

CIELCh(30, 43.715, 11.796)

Have a look what the booklet for
CIELCh(30, 43.715, 11.796) contains.

CIELCh(30, 43.715, 11.796)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(30, 43.715, 11.796)

Conversions

Conversions Part 1

Format	Color
Hex	83223B
RGB	131, 34, 59
RGB Percent	51%, 13%, 23%
CMY	0.4876, 0.8680, 0.7697
CMYK	0.00, 0.74, 0.55, 0.49
HSL	344°, 59%, 32%
HSV	344°, 74%, 51%
XYZ	10.6523, 6.2359, 4.7435
YIQ	65.8530, 49.7870, 28.3390

Conversions

Conversions Part 2

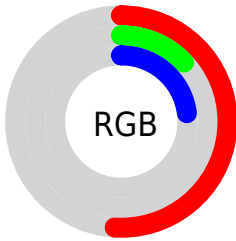
Format	Color
R_{YB}	131, 34, 59
Decimal	8593979
CIE _{Lab}	30.00, 42.79, 8.94
CIE _{LCh}	30, 43.715, 11.796
Yxy	6.2359, 0.4924, 0.2883
Android (android.graphics.Color)	4286784059 (0xFF83223B)
YUV	65.8530, -3.3785, 57.1339
Hunter-Lab	24.9718, 32.4430, 6.2178

Details

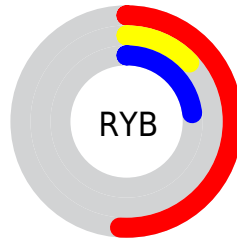
The CIELCh color **30, 43.715, 11.796** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **49, 34.330, 170.492**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 43.444, 11.886**, and **13, 36.431, 20.825** is the 20% darker color. If you saturate the color by 10%, you get **28, 48.164, 15.641**, and if you desaturate by 10%, it is **32, 38.486, 8.723**.

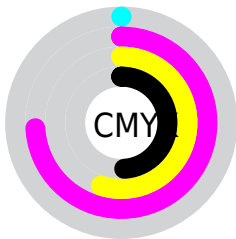
Distribution



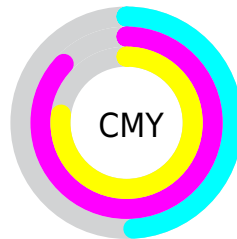
- Red (51%)
- Green (13%)
- Blue (23%)



- Red (51%)
- Yellow (13%)
- Blue (23%)



- Cyan (0%)
- Magenta (74%)
- Yellow (55%)
- Black (49%)



- Cyan (49%)
- Magenta (87%)
- Yellow (77%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 30, 43.715, 11.796 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 30, 43.715, 11.796 by changing the saturation by 10% instead.

 30, 43.715, 11.796

 30, 43.715, 11.796

 100, 43.715,
11.796

 20, 43.715, 11.796

 50, 43.715, 11.796

 10, 43.715, 11.796

 60, 43.715, 11.796

 0, 43.715, 11.796

 70, 43.715, 11.796

 80, 43.715, 11.796

 90, 43.715, 11.796

 30, 43.715, 11.796

 30, 43.715, 11.796

 28, 48.164, 15.641

 32, 38.486, 8.723

27, 51.816, 20.292

35, 32.685, 6.274

26, 53.942, 22.941

38, 26.555, 4.306

42, 20.320, 2.698

45, 14.147, 1.358

49, 8.144, 0.210

53, 2.371, 359.130

57, 3.145, 178.545

61, 8.400, 177.721

Harmonies

Complementary

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



30, 43.715, 11.796



49, 34.330, 170.492

Rectangle

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



30, 43.715, 11.796



30, 43.715, 61.796



30, 43.715, 191.796



30, 43.715, 241.796

Sweetspot

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



30, 43.713, 11.798



59, 15.938, 1.148



29, 61.358, 319.281



30, 10.839, 1.425



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



30, 43.713, 11.798



37, 61.720, 18.755



33, 42.202, 43.799



26, 3.230, 359.672



26, 53.751, 22.912



0, 0.759, 358.902

Inverse Universe

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



30, 43.713, 11.798



37, 61.720, 18.755



42, 23.985, 232.622



26, 3.230, 359.672



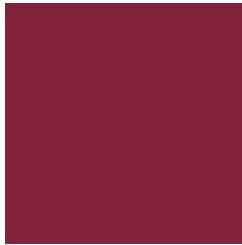
26, 53.751, 22.912



0, 0.759, 358.902

Previews

White Background



This preview shows how the CIELCh color 30, 43.715, 11.796 looks on a white background.

Color Contrast Check

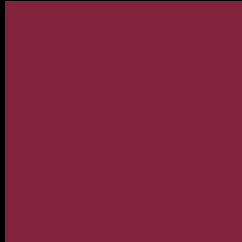
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIE LCh color 30, 43.715, 11.796 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

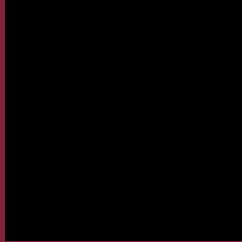
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 43.715, 11.796

Background



This preview shows how black text looks on a background with the CIELCh color 30, 43.715, 11.796.



This preview shows how white text looks on a background with the CIELCh color 30, 43.715, 11.796.

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

30, 43.715, 11.796

Protanopia

31, 3.829, 290.887

Deuteranopia

31, 12.418, 69.587



Tritanopia
30, 44.852, 28.426

Trichromacy



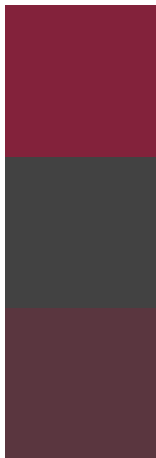
Original Color
30, 43.715, 11.796

Protanomaly
29, 17.644, 355.047

Deuteranomaly
29, 22.281, 23.683

Tritanomaly
30, 43.981, 22.156

Monochromacy



Original Color
30, 43.715, 11.796

Achromatopsia
28, 0.004, 296.813

Achromatomaly
27, 17.527, 3.939

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 43.715, 11.796 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(131, 34, 59)` looks like.

```
.text, #text, p{  
    color:rgb(131, 34, 59)  
}
```

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(131, 34, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 34, 59) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 43.715, 11.796 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(131, 34, 59) }
```

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

```
.border{ border-color:rgb(131, 34, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 34, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 34, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 34, 59);  
box-shadow:4px 4px 4px 4px rgb(131, 34,  
59) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 43.715, 11.796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 34, 59) }
```

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

```
.background{ background-color: rgb(131, 34,  
59) }
```

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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