

Converting Colors

CIELCh(18, 29.893, 9.194)

Have a look what the booklet for
CIELCh(18, 29.893, 9.194) contains.

CIELCh(18, 29.648, 9.509)	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(18, 29.648, 9.509)

Conversions

Conversions Part 1

Format	Color
Hex	521626
RGB	82, 22, 38
RGB Percent	32%, 9%, 15%
CMY	0.6780, 0.9133, 0.8506
CMYK	0.00, 0.73, 0.54, 0.68
HSL	344°, 58%, 20%
HSV	344°, 73%, 32%
XYZ	4.1307, 2.5180, 2.1103
YIQ	41.7640, 30.6240, 17.6960

Conversions

Conversions Part 2

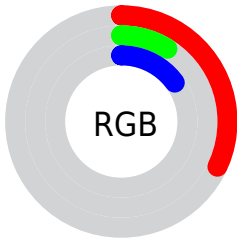
Format	Color
R_{YB}	82, 22, 38
Decimal	5379622
CIE _{Lab}	18.00, 29.24, 4.90
CIE _{LCh}	18, 29.648, 9.509
Yxy	2.5180, 0.4716, 0.2875
Android (android.graphics.Color)	4283569702 (0xFF521626)
YUV	41.7640, -1.8557, 35.2870
Hunter-Lab	15.8683, 18.6964, 3.2230

Details

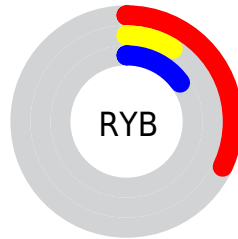
The CIELCh color **18, 29.648, 9.509** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **31, 23.765, 170.654**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 29.557, 9.458**, and **3, 14.623, 17.825** is the 20% darker color. If you saturate the color by 10%, you get **17, 32.947, 12.717**, and if you desaturate by 10%, it is **20, 25.892, 6.927**.

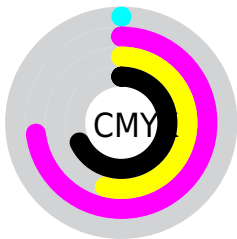
Distribution



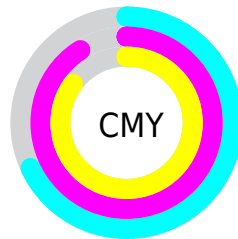
- Red (32%)
- Green (9%)
- Blue (15%)



- Red (32%)
- Yellow (9%)
- Blue (15%)



- Cyan (0%)
- Magenta (73%)
- Yellow (54%)
- Black (68%)



- Cyan (68%)
- Magenta (91%)
- Yellow (85%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 29.648, 9.509 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 18, 29.648, 9.509 by changing the saturation by 10% instead.

 18, 29.648, 9.509  18, 29.648, 9.509

 100, 29.648, 9.509  8, 29.648, 9.509

 38, 29.648, 9.509  0, 29.648, 9.509

 48, 29.648, 9.509

 58, 29.648, 9.509

 68, 29.648, 9.509

 78, 29.648, 9.509

 88, 29.648, 9.509

 98, 29.648, 9.509

 18, 29.648, 9.509  18, 29.648, 9.509

17, 32.947, 12.717

20, 25.892, 6.927

15, 35.849, 16.449

22, 21.830, 4.838

15, 38.057, 18.734

24, 17.611, 3.128

26, 13.360, 1.704

29, 9.169, 0.495

31, 5.096, 359.442

34, 1.173, 358.373

37, 2.586, 177.899

39, 6.177, 177.131

Harmonies

Complementary

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



18, 29.648, 9.509



31, 23.765, 170.654

Rectangle

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



18, 29.648, 9.509



18, 29.648, 59.509



18, 29.648, 189.509



18, 29.648, 239.509

Sweetspot

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



18, 29.646, 9.511



38, 10.885, 0.463



17, 41.843, 319.245



18, 7.246, 0.615



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



18, 29.646, 9.511



22, 42.352, 15.816



21, 27.903, 43.507



15, 2.149, 359.010



20, 45.444, 20.750



49, 83.596, 25.000

Inverse Universe

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



18, 29.646, 9.511



22, 42.352, 15.816



27, 16.611, 231.318



15, 2.149, 359.010



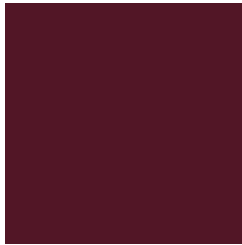
20, 45.444, 20.750



49, 83.596, 25.000

Previews

White Background



This preview shows how the CIE LCh color 18, 29.648, 9.509 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



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

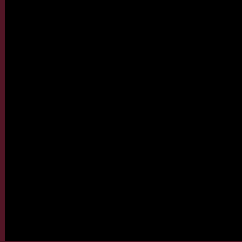
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 29.648, 9.509

Background



This preview shows how black text looks on a background with the CIELCh color 18, 29.648, 9.509.



This preview shows how white text looks on a background with the CIELCh color 18, 29.648, 9.509.

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

18, 29.648, 9.509

Protanopia

19, 3.440, 291.033

Deuteranopia

19, 8.097, 68.945



Tritanopia
18, 29.519, 27.069

Trichromacy



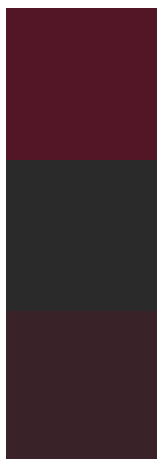
Original Color
18, 29.648, 9.509

Protanomaly
18, 11.759, 350.841

Deuteranomaly
18, 14.488, 23.038

Tritanomaly
18, 29.081, 21.142

Monochromacy



Original Color
18, 29.648, 9.509

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 11.573, 1.668

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 29.648, 9.509 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(82, 22, 38)` looks like.

```
.text, #text, p{  
    color:rgb(82, 22, 38)  
}
```

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(82, 22, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 22, 38) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 29.648, 9.509 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(82, 22, 38) }
```

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

```
.border{ border-color:rgb(82, 22, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 22, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 22, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 22, 38);  
box-shadow:4px 4px 4px 4px rgb(82, 22, 38)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 29.648, 9.509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 22, 38) }
```

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

```
.background{ background-color: rgb(82, 22,  
38) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor