

Converting Colors

CIELCh(29, 48.791, 31.109)

Have a look what the booklet for
CIELCh(29, 48.791, 31.109) contains.

CIELCh(29, 48.763, 30.942)	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(29, 48.763, 30.942)

Conversions

Conversions Part 1

Format	Color
Hex	821F20
RGB	130, 31, 32
RGB Percent	51%, 12%, 13%
CMY	0.4900, 0.8782, 0.8743
CMYK	0.00, 0.76, 0.75, 0.49
HSL	359°, 61%, 32%
HSV	359°, 76%, 51%
XYZ	9.9678, 5.8380, 1.9710
YIQ	60.7150, 58.6830, 21.2990

Conversions

Conversions Part 2

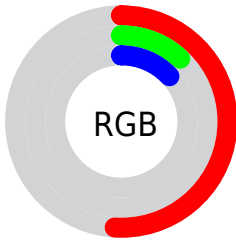
Format	Color
RYB	130, 31, 32
Decimal	8527648
CIELab	29.00, 41.82, 25.07
CIELCh	29, 48.763, 30.942
Yxy	5.8380, 0.5607, 0.3284
Android (android.graphics.Color)	4286717728 (0xFF821F20)
YUV	60.7150, -14.1565, 60.7629
Hunter-Lab	24.1619, 31.3552, 12.0768

Details

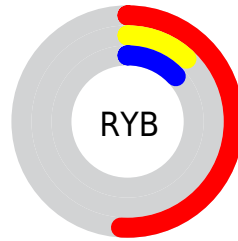
The CIELCh color **29, 48.763, 30.942** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **49, 28.150, 195.409**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 48.827, 31.386**, and **12, 37.608, 30.284** is the 20% darker color. If you saturate the color by 10%, you get **27, 55.111, 34.455**, and if you desaturate by 10%, it is **31, 41.912, 27.847**.

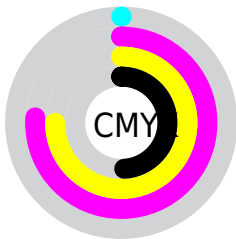
Distribution



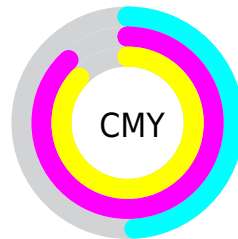
- Red (51%)
- Green (12%)
- Blue (13%)



- Red (51%)
- Yellow (12%)
- Blue (13%)



- Cyan (0%)
- Magenta (76%)
- Yellow (75%)
- Black (49%)



- Cyan (49%)
- Magenta (88%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 29, 48.763, 30.942 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 29, 48.763, 30.942 by changing the saturation by 10% instead.

 29, 48.763, 30.942

 29, 48.763, 30.942

 100, 48.763,
30.942

 19, 48.763, 30.942

 49, 48.763, 30.942

 9, 48.763, 30.942

 59, 48.763, 30.942

 0, 48.763, 30.942

 69, 48.763, 30.942

 79, 48.763, 30.942

 89, 48.763, 30.942

 99, 48.763, 30.942

 29, 48.763, 30.942

 29, 48.763, 30.942

■ 27, 55.111, 34.455

■ 31, 41.912, 27.847

■ 26, 60.106, 37.326

■ 34, 34.891, 25.321

■ 26, 61.820, 38.121

■ 37, 27.927, 23.333

■ 41, 21.193, 21.789

■ 44, 14.800, 20.588

■ 48, 8.803, 19.641

■ 52, 3.218, 18.833

■ 56, 1.968, 198.582

■ 60, 6.782, 197.973

Harmonies

Complementary

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



29, 48.763, 30.942



49, 28.150, 195.409

Rectangle

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



29, 48.763, 30.942



29, 48.763, 80.942



29, 48.763, 210.942



29, 48.763, 260.942

Sweetspot

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



29, 48.761, 30.944



58, 15.940, 20.321



32, 62.529, 327.311



28, 11.104, 20.638



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



29, 48.761, 30.944



35, 71.120, 36.843



39, 39.956, 64.455



26, 3.049, 19.078



26, 61.817, 38.121



0, 0.707, 18.581

Inverse Universe

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



29, 48.761, 30.944



35, 71.120, 36.843



34, 31.776, 270.957



26, 3.049, 19.078



26, 61.817, 38.121



0, 0.707, 18.581

Previews

White Background



This preview shows how the CIELCh color 29, 48.763, 30.942 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 CIELCh color 29, 48.763, 30.942 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

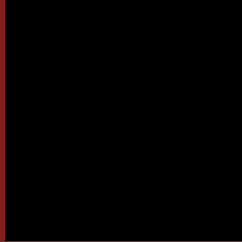
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 48.763, 30.942

Background



This preview shows how black text looks on a background with the CIELCh color 29, 48.763, 30.942.



This preview shows how white text looks on a background with the CIELCh color 29, 48.763, 30.942.

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

29, 48.763, 30.942

Protanopia

30, 16.713, 96.729

Deuteranopia

29, 28.013, 81.754



Tritanopia
29, 48.763, 30.942

Trichromacy



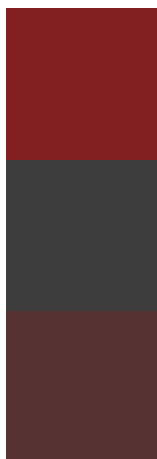
Original Color
29, 48.763, 30.942

Protanomaly
28, 23.670, 47.640

Deuteranomaly
28, 32.249, 51.587

Tritanomaly
29, 48.763, 30.942

Monochromacy



Original Color
29, 48.763, 30.942

Achromatopsia
26, 0.004, 296.813

Achromatomaly
25, 17.731, 23.055

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 48.763, 30.942 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(130, 31, 32)` looks like.

```
.text, #text, p{  
    color:rgb(130, 31, 32)  
}
```

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(130, 31, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 31, 32) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 48.763, 30.942 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(130, 31, 32) }
```

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

```
.border{ border-color:rgb(130, 31, 32) }
```

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

Here you see how a box with a 4 pixel rgb(130, 31, 32) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 31, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 31, 32);  
box-shadow:4px 4px 4px 4px rgb(130, 31,  
32) }
```

Background

The CSS property to change the background color of an element to CIELCh 29, 48.763, 30.942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 31, 32) }
```

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

```
.background{ background-color: rgb(130, 31,  
32) }
```

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