

Converting Colors

CIELCh(29, 46.465, 7.746)

Have a look what the booklet for
CIELCh(29, 46.465, 7.746) contains.

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Color

CIELCh(29, 46.514, 7.539)

Conversions

Conversions Part 1

Format	Color
Hex	83193D
RGB	131, 25, 61
RGB Percent	51%, 10%, 24%
CMY	0.4868, 0.9026, 0.7612
CMYK	0.00, 0.81, 0.53, 0.49
HSL	340°, 68%, 31%
HSV	340°, 81%, 51%
XYZ	10.5216, 5.8380, 4.9715
YIQ	60.7980, 51.6200, 33.6680

Conversions

Conversions Part 2

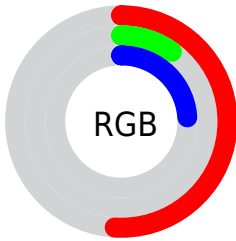
Format	Color
R_{YB}	131, 25, 61
Decimal	8591677
CIE _{Lab}	29.00, 46.11, 6.10
CIE _{LCh}	29, 46.514, 7.539
Yxy	5.8380, 0.4933, 0.2737
Android (android.graphics.Color)	4286781757 (0xFF83193D)
YUV	60.7980, 0.0996, 61.5672
Hunter-Lab	24.1619, 35.4466, 4.7140

Details

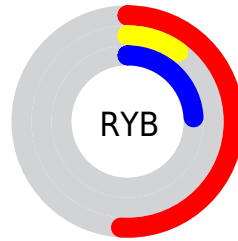
The CIELCh color **29, 46.514, 7.539** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **49, 39.564, 163.221**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 46.528, 7.357**, and **13, 36.136, 19.039** is the 20% darker color. If you saturate the color by 10%, you get **28, 49.720, 11.623**, and if you desaturate by 10%, it is **31, 42.272, 4.275**.

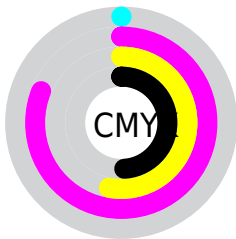
Distribution



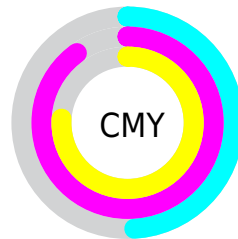
- Red (51%)
- Green (10%)
- Blue (24%)



- Red (51%)
- Yellow (10%)
- Blue (24%)



- Cyan (0%)
- Magenta (81%)
- Yellow (53%)
- Black (49%)



- Cyan (49%)
- Magenta (90%)
- Yellow (76%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 29, 46.514, 7.539 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, 46.514, 7.539 by changing the saturation by 10% instead.

 29, 46.514, 7.539  29, 46.514, 7.539

 100, 46.514, 7.539  19, 46.514, 7.539

 49, 46.514, 7.539  9, 46.514, 7.539

 59, 46.514, 7.539  0, 46.514, 7.539

 69, 46.514, 7.539

 79, 46.514, 7.539

 89, 46.514, 7.539

 99, 46.514, 7.539

 29, 46.514, 7.539  29, 46.514, 7.539

 28, 49.720, 11.623  31, 42.272, 4.275

27, 52.215, 15.653

33, 37.134, 1.679

36, 31.353,
359.596

40, 25.202,
357.896

43, 18.911,
356.477

47, 12.648,
355.266

50, 6.521, 354.200

54, 0.593, 352.765

58, 5.107, 172.590

Harmonies

Complementary

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



29, 46.514, 7.539



49, 39.564, 163.221

Rectangle

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



29, 46.514, 7.539



29, 46.514, 57.539



29, 46.514, 187.539



29, 46.514, 237.539

Sweetspot

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



29, 46.512, 7.541



59, 18.054, 355.675



26, 65.607, 316.729



29, 12.550, 356.048



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



29, 46.512, 7.541



36, 62.842, 15.590



31, 48.952, 39.429



26, 3.364, 354.009



27, 51.976, 15.616



0, 0.793, 353.245

Inverse Universe

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



29, 46.512, 7.541



36, 62.842, 15.590



44, 25.199, 219.519



26, 3.364, 354.009



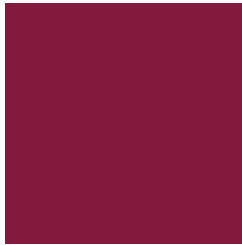
27, 51.976, 15.616



0, 0.793, 353.245

Previews

White Background



This preview shows how the CIE LCh color 29, 46.514, 7.539 looks on a white background.

Color Contrast Check

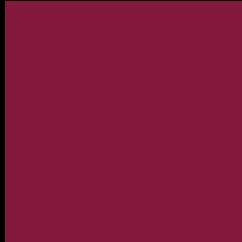
Large Text (above 18pt) WCAG AA ✓ Pass

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 29, 46.514, 7.539 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, 46.514, 7.539

Background



This preview shows how black text looks on a background with the CIELCh color 29, 46.514, 7.539.



This preview shows how white text looks on a background with the CIELCh color 29, 46.514, 7.539.

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, 46.514, 7.539

Protanopia

30, 9.025, 284.121

Deuteranopia

30, 10.156, 63.547



Tritanopia
29, 48.246, 30.679

Trichromacy



Original Color
29, 46.514, 7.539

Protanomaly
28, 20.875, 341.213

Deuteranomaly
28, 22.977, 14.830

Tritanomaly
29, 46.702, 22.495

Monochromacy



Original Color
29, 46.514, 7.539

Achromatopsia
26, 0.004, 296.813

Achromatomaly
25, 19.239, 357.912

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 46.514, 7.539 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, 25, 61)` looks like.

```
.text, #text, p{  
    color:rgb(131, 25, 61)  
}
```

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, 25, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 25, 61) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 46.514, 7.539 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, 25, 61) }
```

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

```
.border{ border-color:rgb(131, 25, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 25, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 25, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 25, 61);  
box-shadow:4px 4px 4px 4px rgb(131, 25,  
61) }
```

Background

The CSS property to change the background color of an element to CIELCh 29, 46.514, 7.539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 25, 61) }
```

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

```
.background{ background-color: rgb(131, 25,  
61) }
```

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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