

Converting Colors

CIELCh(29, 32.459, 91.276)

Have a look what the booklet for
CIELCh(29, 32.459, 91.276) contains.

CIELCh(29, 32.338, 90.593)	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, 32.338, 90.593)

Conversions

Conversions Part 1

Format	Color
Hex	51430E
RGB	81, 67, 14
RGB Percent	32%, 26%, 5%
CMY	0.6813, 0.7363, 0.9440
CMYK	0.00, 0.17, 0.82, 0.68
HSL	47°, 70%, 19%
HSV	47°, 82%, 32%
XYZ	5.5202, 5.8380, 1.2610
YIQ	65.1440, 25.3570, -13.5150

Conversions

Conversions Part 2

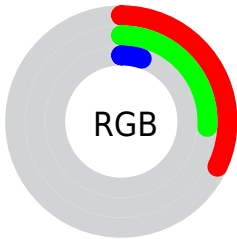
Format	Color
RYB	32, 81, 14
Decimal	5325582
CIELab	29.00, -0.33, 32.34
CIELCh	29, 32.338, 90.593
Yxy	5.8380, 0.4374, 0.4626
Android (android.graphics.Color)	4283515662 (0xFF51430E)
YUV	65.1440, -25.2140, 13.9057
Hunter-Lab	24.1619, -1.5023, 13.8190

Details

The CIELCh color **29, 32.338, 90.593** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **13, 37.687, 295.155**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 32.193, 90.678**, and **9, 13.693, 88.958** is the 20% darker color. If you saturate the color by 10%, you get **28, 35.034, 89.377**, and if you desaturate by 10%, it is **30, 29.115, 91.791**.

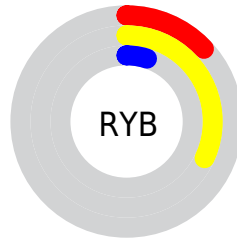
Distribution



Red (32%)

Green (26%)

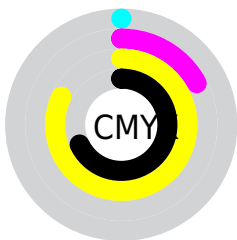
Blue (5%)



Red (13%)

Yellow (32%)

Blue (5%)

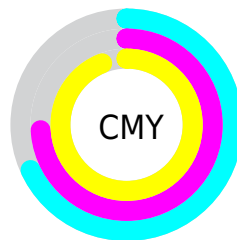


Cyan (0%)

Magenta (17%)

Yellow (82%)

Black (68%)



Cyan (68%)

Magenta (74%)

Yellow (94%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 29, 32.338, 90.593 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, 32.338, 90.593 by changing the saturation by 10% instead.

 29, 32.338, 90.593

 29, 32.338, 90.593

 100, 32.338,
90.593

 19, 32.338, 90.593

 49, 32.338, 90.593

 9, 32.338, 90.593

 59, 32.338, 90.593

 0, 32.338, 90.593

 69, 32.338, 90.593

 79, 32.338, 90.593

 89, 32.338, 90.593

 99, 32.338, 90.593

 29, 32.338, 90.593

 29, 32.338, 90.593

■ 28, 35.034, 89.377

■ 30, 29.115, 91.791

■ 28, 37.192, 88.552

■ 30, 25.448, 92.958

■ 31, 21.523, 94.109

■ 32, 17.462, 95.246

■ 32, 13.341, 96.366

■ 33, 9.206, 97.463

■ 34, 5.084, 98.529

■ 34, 0.989, 99.503

■ 35, 3.070, 280.626

Harmonies

Complementary

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



29, 32.338, 90.593



13, 37.687, 295.155

Rectangle

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



29, 32.338, 90.593



29, 32.338, 140.593



29, 32.338, 270.593



29, 32.338, 320.593

Sweetspot

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



29, 32.338, 90.596



42, 12.642, 97.092



16, 32.793, 16.474



21, 8.699, 96.870



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



29, 32.338, 90.596



36, 44.096, 88.117



32, 38.800, 117.687



16, 2.287, 98.913



36, 44.398, 87.998



77, 79.145, 86.791

Inverse Universe

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



13, 37.687, 295.155



13, 56.694, 300.389



11, 46.892, 307.420



15, 2.309, 280.805



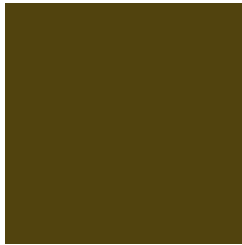
13, 57.278, 300.610



34, 109.241, 302.512

Previews

White Background



This preview shows how the CIELCh color 29, 32.338, 90.593 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, 32.338, 90.593 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, 32.338, 90.593

Background



This preview shows how black text looks on a background with the CIELCh color 29, 32.338, 90.593.



This preview shows how white text looks on a background with the CIELCh color 29, 32.338, 90.593.

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, 32.338, 90.593

Protanopia

29, 32.132, 96.403

Deuteranopia

29, 32.301, 83.710



Tritanopia
29, 10.379, 7.101

Trichromacy



Original Color
29, 32.338, 90.593

Protanomaly
29, 31.973, 93.472

Deuteranomaly
29, 32.132, 86.637

Tritanomaly
29, 14.608, 67.670

Monochromacy



Original Color
29, 32.338, 90.593

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 12.437, 96.355

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 32.338, 90.593 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(81, 67, 14)` looks like.

```
.text, #text, p{  
    color:rgb(81, 67, 14)  
}
```

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(81, 67, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 67, 14) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 32.338, 90.593 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(81, 67, 14) }
```

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

```
.border{ border-color:rgb(81, 67, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 67, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 67, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 67, 14);  
box-shadow:4px 4px 4px 4px rgb(81, 67, 14)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 32.338, 90.593 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 67, 14) }
```

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

```
.background{ background-color: rgb(81, 67,  
14) }
```

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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