

Converting Colors

CIELCh(30, 32.025, 81.088)

Have a look what the booklet for
CIELCh(30, 32.025, 81.088) contains.

CIELCh(30, 32.079, 80.981)	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, 32.079, 80.981)

Conversions

Conversions Part 1

Format	Color
Hex	5B4313
RGB	91, 67, 19
RGB Percent	36%, 26%, 7%
CMY	0.6444, 0.7383, 0.9266
CMYK	0.00, 0.26, 0.79, 0.64
HSL	40°, 66%, 21%
HSV	40°, 79%, 36%
XYZ	6.3895, 6.2359, 1.4705
YIQ	68.7040, 29.7120, -9.8400

Conversions

Conversions Part 2

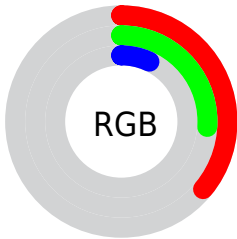
Format	Color
R _Y B	55, 91, 19
Decimal	5980947
CIE Lab	30.00, 5.03, 31.68
CIE LCh	30, 32.079, 80.981
Yxy	6.2359, 0.4533, 0.4424
Android (android.graphics.Color)	4284171027 (0xFF5B4313)
YUV	68.7040, -24.5041, 19.5536
Hunter-Lab	24.9718, 1.9723, 13.9890

Details

The CIELCh color **30, 32.079, 80.981** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **18, 33.084, 287.422**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **50, 32.122, 81.145**, and **10, 16.291, 72.132** is the 20% darker color. If you saturate the color by 10%, you get **29, 35.274, 79.343**, and if you desaturate by 10%, it is **31, 28.324, 82.456**.

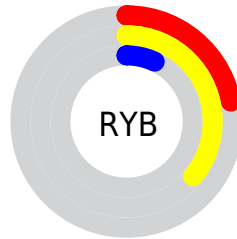
Distribution



 Red (36%)

 Green (26%)

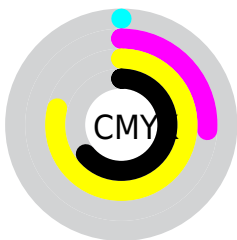
 Blue (7%)



 Red (22%)

 Yellow (36%)

 Blue (7%)

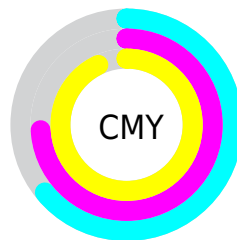


 Cyan (0%)

 Magenta (26%)

 Yellow (79%)

 Black (64%)



 Cyan (64%)

 Magenta (74%)

 Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 30, 32.079, 80.981 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, 32.079, 80.981 by changing the saturation by 10% instead.

■ 30, 32.079, 80.981

■ 30, 32.079, 80.981

■ 100, 32.079,
80.981

■ 20, 32.079, 80.981

■ 50, 32.079, 80.981

■ 10, 32.079, 80.981

■ 60, 32.079, 80.981

■ 0, 32.079, 80.981

■ 70, 32.079, 80.981

■ 80, 32.079, 80.981

■ 90, 32.079, 80.981

■ 30, 32.079, 80.981

■ 30, 32.079, 80.981

■ 29, 35.274, 79.343

■ 31, 28.324, 82.456

■ 28, 38.415, 77.825

■ 32, 24.279, 83.834

■ 28, 38.622, 77.737

■ 33, 20.115, 85.155

■ 34, 15.932, 86.436

■ 35, 11.782, 87.682

■ 36, 7.695, 88.892

■ 37, 3.681, 90.052

■ 39, 0.256, 271.761

■ 40, 4.115, 272.361

Harmonies

Complementary

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



30, 32.079, 80.981



18, 33.084, 287.422

Rectangle

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



30, 32.079, 80.981



30, 32.079, 130.981



30, 32.079, 260.981



30, 32.079, 310.981

Sweetspot

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



30, 32.079, 80.984



46, 11.856, 88.244



19, 34.345, 6.379



22, 8.080, 87.968



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



30, 32.079, 80.984



37, 44.859, 77.752



36, 40.305, 112.197



18, 2.225, 90.109



34, 44.381, 77.128



71, 78.106, 75.183

Inverse Universe

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



18, 33.084, 287.422



20, 49.956, 293.568



13, 49.958, 305.025



17, 2.226, 272.250



18, 49.985, 294.814



41, 94.195, 297.200

Previews

White Background



This preview shows how the CIELCh color 30, 32.079, 80.981 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, 32.079, 80.981 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

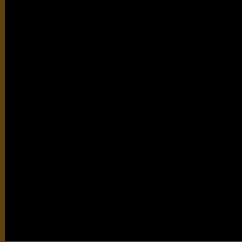
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 32.079, 80.981

Background



This preview shows how black text looks on a background with the CIELCh color 30, 32.079, 80.981.



This preview shows how white text looks on a background with the CIELCh color 30, 32.079, 80.981.

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, 32.079, 80.981

Protanopia

30, 30.880, 95.549

Deuteranopia

30, 32.065, 82.900



Tritanopia
30, 15.058, 10.147

Trichromacy



Original Color
30, 32.079, 80.981

Protanomaly
30, 30.700, 89.465

Deuteranomaly
30, 32.292, 82.043

Tritanomaly
30, 17.685, 53.421

Monochromacy



Original Color
30, 32.079, 80.981

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 12.163, 89.206

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 32.079, 80.981 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(91, 67, 19)` looks like.

```
.text, #text, p{  
    color:rgb(91, 67, 19)  
}
```

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(91, 67, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 67, 19) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 32.079, 80.981 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(91, 67, 19) }
```

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

```
.border{ border-color:rgb(91, 67, 19) }
```

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

Here you see how a box with a 4 pixel rgb(91, 67, 19) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 67, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 67, 19);  
box-shadow:4px 4px 4px 4px rgb(91, 67, 19)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 32.079, 80.981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 67, 19) }
```

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

```
.background{ background-color: rgb(91, 67,  
19) }
```

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