

Converting Colors

CIELCh(30, 32.254, 95.636)

Have a look what the booklet for
CIELCh(30, 32.254, 95.636) contains.

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Color

CIELCh(30, 32.254, 95.636)

Conversions

Conversions Part 1

Format	Color
Hex	504711
RGB	80, 71, 17
RGB Percent	31%, 28%, 7%
CMY	0.6867, 0.7219, 0.9337
CMYK	0.00, 0.11, 0.79, 0.69
HSL	51°, 65%, 19%
HSV	51°, 79%, 31%
XYZ	5.6475, 6.2359, 1.4323
YIQ	67.5350, 22.6980, -14.8860

Conversions

Conversions Part 2

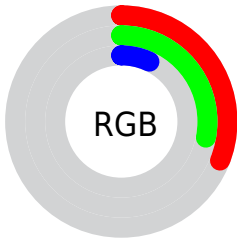
Format	Color
R_{YB}	28, 80, 17
Decimal	5261073
CIE Lab	30.00, -3.17, 32.10
CIE LCh	30, 32.254, 95.636
Yxy	6.2359, 0.4241, 0.4683
Android (android.graphics.Color)	4283451153 (0xFF504711)
YUV	67.5350, -24.9138, 10.9318
Hunter-Lab	24.9718, -3.3320, 14.0796

Details

The CIELCh color **30, 32.254, 95.636** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **12, 38.553, 297.172**, and the grayscale version is **29, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 32.408, 95.965**, and **10, 15.221, 99.426** is the 20% darker color. If you saturate the color by 10%, you get **30, 35.013, 94.661**, and if you desaturate by 10%, it is **30, 28.865, 96.637**.

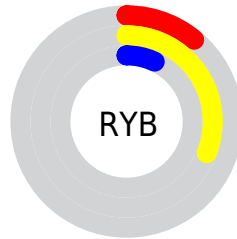
Distribution



Red (31%)

Green (28%)

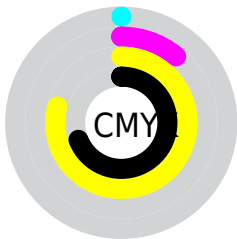
Blue (7%)



Red (11%)

Yellow (31%)

Blue (7%)

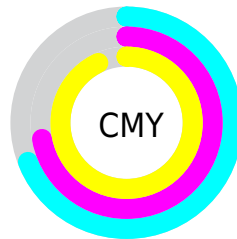


Cyan (0%)

Magenta (11%)

Yellow (79%)

Black (69%)



Cyan (69%)

Magenta (72%)

Yellow (93%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 30, 32.254, 95.636 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, 32.254, 95.636 by changing the saturation by 10% instead.

 30, 32.254, 95.636

 30, 32.254, 95.636

 100, 32.254,
95.636

 20, 32.254, 95.636

 50, 32.254, 95.636

 10, 32.254, 95.636

 60, 32.254, 95.636

 0, 32.254, 95.636

 70, 32.254, 95.636

 80, 32.254, 95.636

 90, 32.254, 95.636

 30, 32.254, 95.636

 30, 32.254, 95.636

 30, 35.013, 94.661

 30, 28.865, 96.637

■ 29, 37.787, 93.742

■ 31, 25.053, 97.655

■ 29, 38.123, 93.643

■ 31, 20.982, 98.687

■ 32, 16.764, 99.722

■ 32, 12.470,
100.753

■ 33, 8.145, 101.769

■ 33, 3.815, 102.760

■ 34, 0.503, 283.881

■ 35, 4.799, 284.708

Harmonies

Complementary

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



30, 32.254, 95.636



12, 38.553, 297.172

Rectangle

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



30, 32.254, 95.636



30, 32.254, 145.636



30, 32.254, 275.636



30, 32.254, 325.636

Sweetspot

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



30, 32.254, 95.639



43, 12.961, 101.158



16, 31.699, 20.367



21, 8.976, 100.940



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



30, 32.254, 95.639



38, 44.542, 93.735



31, 37.676, 120.556



16, 2.453, 102.769



38, 45.886, 93.259



81, 81.843, 92.505

Inverse Universe

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



12, 38.553, 297.172



13, 58.743, 301.904



12, 44.149, 308.664



15, 2.486, 284.552



12, 61.626, 302.860



32, 116.281, 304.350

Previews

White Background



This preview shows how the CIELCh color 30, 32.254, 95.636 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 30, 32.254, 95.636 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

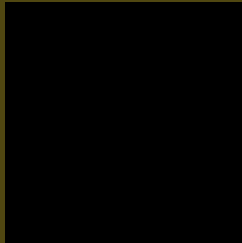
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 32.254, 95.636

Background



This preview shows how black text looks on a background with the CIELCh color 30, 32.254, 95.636.



This preview shows how white text looks on a background with the CIELCh color 30, 32.254, 95.636.

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

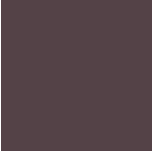
30, 32.254, 95.636

Protanopia

30, 32.254, 95.636

Deuteranopia

30, 31.612, 82.698



Tritanopia
30, 8.695, 359.501

Trichromacy



Original Color
30, 32.254, 95.636

Protanomaly
30, 32.254, 95.636

Deuteranomaly
30, 31.688, 86.721

Tritanomaly
30, 13.208, 74.210

Monochromacy



Original Color
30, 32.254, 95.636

Achromatopsia
28, 0.004, 296.813

Achromatomaly
29, 12.287, 98.680

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 32.254, 95.636 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(80, 71, 17)` looks like.

```
.text, #text, p{  
    color:rgb(80, 71, 17)  
}
```

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(80, 71, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 71, 17) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 32.254, 95.636 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(80, 71, 17) }
```

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

```
.border{ border-color:rgb(80, 71, 17) }
```

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

Here you see how a box with a 4 pixel rgb(80, 71, 17) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 71, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 71, 17);  
box-shadow:4px 4px 4px 4px rgb(80, 71, 17)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 32.254, 95.636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 71, 17) }
```

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

```
.background{ background-color: rgb(80, 71,  
17) }
```

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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