

Converting Colors

CIELCh(30, 32.606, 96.576)

Have a look what the booklet for
CIELCh(30, 32.606, 96.576) contains.

CIELCh(30, 32.606, 96.576)	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, 32.606, 96.576)

Conversions

Conversions Part 1

Format	Color
Hex	4F4710
RGB	79, 71, 16
RGB Percent	31%, 28%, 6%
CMY	0.6895, 0.7209, 0.9366
CMYK	0.00, 0.10, 0.80, 0.69
HSL	52°, 66%, 19%
HSV	52°, 80%, 31%
XYZ	5.5984, 6.2359, 1.4058
YIQ	67.1220, 22.4230, -15.4090

Conversions

Conversions Part 2

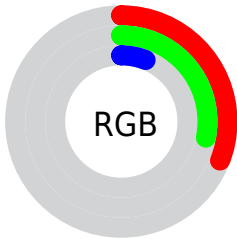
Format	Color
RYB	25, 79, 16
Decimal	5195536
CIELab	30.00, -3.73, 32.39
CIElCh	30, 32.606, 96.576
Yxy	6.2359, 0.4228, 0.4710
Android (android.graphics.Color)	4283385616 (0xFF4F4710)
YUV	67.1220, -25.2031, 10.4170
Hunter-Lab	24.9718, -3.6826, 14.1426

Details

The CIELCh color **30, 32.606, 96.576** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **12, 39.394, 297.963**, and the grayscale version is **29, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 32.321, 96.781**, and **10, 15.146, 101.776** is the 20% darker color. If you saturate the color by 10%, you get **30, 35.315, 95.662**, and if you desaturate by 10%, it is **30, 29.266, 97.530**.

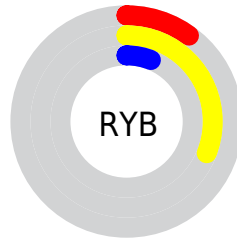
Distribution



 Red (31%)

 Green (28%)

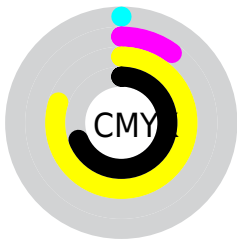
 Blue (6%)



 Red (10%)

 Yellow (31%)

 Blue (6%)

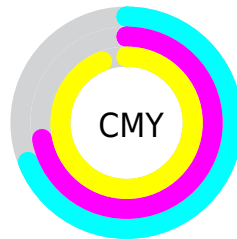


 Cyan (0%)

 Magenta (10%)

 Yellow (80%)

 Black (69%)



 Cyan (69%)

 Magenta (72%)

 Yellow (94%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 30, 32.606, 96.576 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, 32.606, 96.576 by changing the saturation by 10% instead.

 30, 32.606, 96.576

 30, 32.606, 96.576

 100, 32.606,
96.576

 20, 32.606, 96.576

 50, 32.606, 96.576

 10, 32.606, 96.576

 60, 32.606, 96.576

 0, 32.606, 96.576

 70, 32.606, 96.576

 80, 32.606, 96.576

 90, 32.606, 96.576

 30, 32.606, 96.576

 30, 32.606, 96.576

 30, 35.315, 95.662

 30, 29.266, 97.530

■ 29, 38.108, 94.800

■ 31, 25.480, 98.512

■ 29, 38.234, 94.765

■ 31, 21.418, 99.514

■ 32, 17.193,
100.525

■ 32, 12.881,
101.536

■ 33, 8.528, 102.537

■ 33, 4.164, 103.515

■ 34, 0.193, 284.809

■ 34, 4.532, 285.438

Harmonies

Complementary

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



30, 32.606, 96.576



12, 39.394, 297.963

Rectangle

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



30, 32.606, 96.576



30, 32.606, 146.576



30, 32.606, 276.576



30, 32.606, 326.576

Sweetspot

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



30, 32.606, 96.579



42, 12.897, 102.011



16, 31.925, 21.844



20, 8.748, 101.817



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



30, 32.606, 96.579



38, 44.160, 94.886



31, 37.822, 121.250



16, 2.493, 103.592



39, 46.293, 94.418



82, 82.598, 93.761

Inverse Universe

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



12, 39.394, 297.963



12, 58.515, 302.326



12, 44.146, 309.091



15, 2.529, 285.350



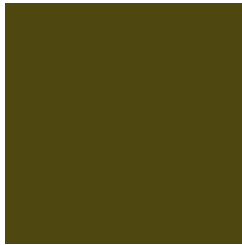
11, 62.533, 303.294



31, 117.638, 304.682

Previews

White Background



This preview shows how the CIELCh color 30, 32.606, 96.576 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, 32.606, 96.576 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

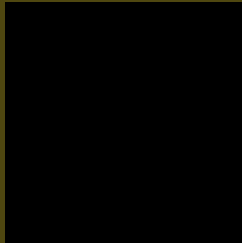
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 32.606, 96.576

Background



This preview shows how black text looks on a background with the CIELCh color 30, 32.606, 96.576.



This preview shows how white text looks on a background with the CIELCh color 30, 32.606, 96.576.

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, 32.606, 96.576

Protanopia

30, 32.690, 95.659

Deuteranopia

30, 32.065, 82.900



Tritanopia
30, 8.271, 358.238

Trichromacy



Original Color

30, 32.606, 96.576

Protanomaly

30, 32.690, 95.659

Deuteranomaly

30, 32.234, 88.891

Tritanomaly

30, 12.924, 76.002

Monochromacy



Original Color

30, 32.606, 96.576

Achromatopsia

28, 0.004, 296.813

Achromatomaly

29, 12.768, 103.340

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 32.606, 96.576 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(79, 71, 16)` looks like.

```
.text, #text, p{  
    color:rgb(79, 71, 16)  
}
```

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(79, 71, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 71, 16) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 32.606, 96.576 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(79, 71, 16) }
```

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

```
.border{ border-color:rgb(79, 71, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 71, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 71, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 71, 16);  
box-shadow:4px 4px 4px 4px rgb(79, 71, 16)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 32.606, 96.576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 71, 16) }
```

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

```
.background{ background-color: rgb(79, 71,  
16) }
```

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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