

Converting Colors

CIELCh(30, 65.917, 36.730)

Have a look what the booklet for
CIELCh(30, 65.917, 36.730) contains.

CIELCh(30, 66.123, 36.765)	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, 66.123, 36.765)

Conversions

Conversions Part 1

Format	Color
Hex	93020A
RGB	147, 2, 10
RGB Percent	58%, 1%, 4%
CMY	0.4245, 0.9938, 0.9616
CMYK	0.00, 0.99, 0.93, 0.42
HSL	357°, 98%, 29%
HSV	357°, 99%, 58%
XYZ	12.0595, 6.2359, 0.8493
YIQ	46.2670, 83.8520, 33.2280

Conversions

Conversions Part 2

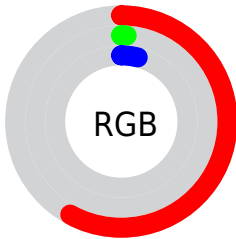
Format	Color
RYB	147, 2, 10
Decimal	9634314
CIELab	30.00, 52.97, 39.58
CIELCh	30, 66.123, 36.765
Yxy	6.2359, 0.6299, 0.3257
Android (android.graphics.Color)	4287824394 (0xFF93020A)
YUV	46.2670, -17.8796, 88.3428
Hunter-Lab	24.9718, 42.5016, 15.4639

Details

The CIELCh color **30, 66.123, 36.765** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **55, 34.702, 188.301**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 66.053, 36.578**, and **15, 43.484, 33.400** is the 20% darker color. If you saturate the color by 10%, you get **30, 66.623, 37.023**, and if you desaturate by 10%, it is **31, 60.786, 33.181**.

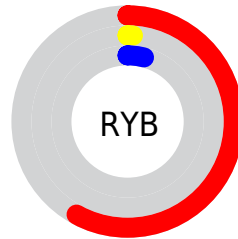
Distribution



Red (58%)

Green (1%)

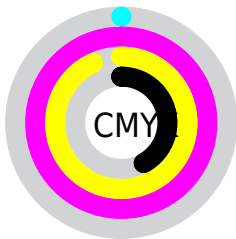
Blue (4%)



Red (58%)

Yellow (1%)

Blue (4%)

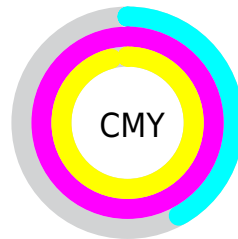


Cyan (0%)

Magenta (99%)

Yellow (93%)

Black (42%)



Cyan (42%)

Magenta (99%)

Yellow (96%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 30, 66.123, 36.765 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, 66.123, 36.765 by changing the saturation by 10% instead.

 30, 66.123, 36.765

 30, 66.123, 36.765

 100, 66.123,
36.765

 20, 66.123, 36.765

 50, 66.123, 36.765

 10, 66.123, 36.765

 60, 66.123, 36.765

 0, 66.123, 36.765

 70, 66.123, 36.765

 80, 66.123, 36.765

 90, 66.123, 36.765

 30, 66.123, 36.765

 30, 66.123, 36.765

 30, 66.623, 37.023

 31, 60.786, 33.181

■ 32, 54.420, 29.197

■ 35, 47.411, 25.684

■ 38, 40.056, 22.810

■ 41, 32.604, 20.533

■ 45, 25.269, 18.748

■ 49, 18.211, 17.342

■ 53, 11.524, 16.220

■ 57, 5.248, 15.285

Harmonies

Complementary

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



30, 66.123, 36.765



55, 34.702, 188.301

Rectangle

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



30, 66.123, 36.765



30, 66.123, 86.765



30, 66.123, 216.765



30, 66.123, 266.765

Sweetspot

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



30, 66.121, 36.767



62, 23.572, 17.559



33, 76.587, 325.681



30, 16.404, 18.079



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



30, 66.121, 36.767



40, 81.872, 37.868



38, 57.336, 56.298



29, 3.348, 15.311



28, 63.306, 36.650



1, 2.841, 14.709

Inverse Universe

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



30, 66.121, 36.767



40, 81.872, 37.868



35, 40.703, 275.270



29, 3.348, 15.311



28, 63.306, 36.650



1, 2.841, 14.709

Previews

White Background



This preview shows how the CIELCh color 30, 66.123, 36.765 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, 66.123, 36.765 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, 66.123, 36.765

Background



This preview shows how black text looks on a background with the CIELCh color 30, 66.123, 36.765.



This preview shows how white text looks on a background with the CIELCh color 30, 66.123, 36.765.

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, 66.123, 36.765

Protanopia

31, 30.858, 95.785

Deuteranopia

31, 40.358, 85.114



Tritanopia
30, 66.984, 40.875

Trichromacy



Original Color
30, 66.123, 36.765

Protanomaly
27, 38.428, 51.752

Deuteranomaly
28, 46.683, 53.052

Tritanomaly
30, 66.488, 39.183

Monochromacy



Original Color
30, 66.123, 36.765

Achromatopsia
19, 0.004, 296.813

Achromatomaly
20, 27.201, 23.045

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 66.123, 36.765 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(147, 2, 10)` looks like.

```
.text, #text, p{  
    color:rgb(147, 2, 10)  
}
```

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(147, 2, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 2, 10) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 66.123, 36.765 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(147, 2, 10) }
```

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

```
.border{ border-color:rgb(147, 2, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 2, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 2, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 2, 10);  
box-shadow:4px 4px 4px 4px rgb(147, 2, 10)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 66.123, 36.765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 2, 10) }
```

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

```
.background{ background-color: rgb(147, 2,  
10) }
```

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