

Converting Colors

CIELCh(30, 67.048, 325.980)

Have a look what the booklet for
CIELCh(30, 67.048, 325.980)
contains.

CIELCh(30, 66.928, 325.917)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(30, 66.928, 325.917)

Conversions

Conversions Part 1

Format	Color
Hex	7B1182
RGB	123, 17, 130
RGB Percent	48%, 7%, 51%
CMY	0.5173, 0.9328, 0.4899
CMYK	0.05, 0.87, 0.00, 0.49
HSL	296°, 77%, 29%
HSV	296°, 87%, 51%
XYZ	12.4173, 6.2359, 21.6961
YIQ	61.5760, 26.9030, 57.6150

Conversions

Conversions Part 2

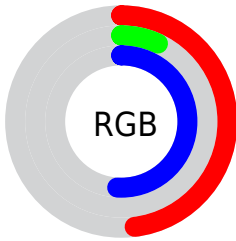
Format	Color
R_{YB}	123, 17, 130
Decimal	8065410
CIE _{Lab}	30.00, 55.43, -37.51
CIE _{LCh}	30, 66.928, 325.917
Yxy	6.2359, 0.3077, 0.1545
Android (android.graphics.Color)	4286255490 (0xFF7B1182)
YUV	61.5760, 33.7330, 53.8688
Hunter-Lab	24.9718, 45.0592, -34.0322

Details

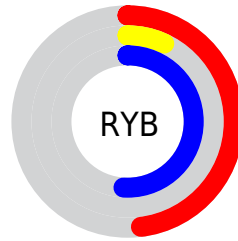
The CIELCh color **30, 66.928, 325.917** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **47, 68.283, 136.241**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 66.968, 325.879**, and **15, 50.250, 323.813** is the 20% darker color. If you saturate the color by 10%, you get **29, 69.585, 325.890**, and if you desaturate by 10%, it is **31, 62.761, 325.835**.

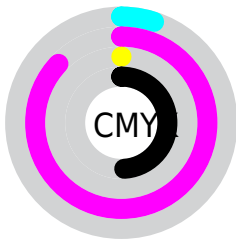
Distribution



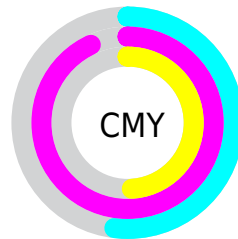
- Red (48%)
- Green (7%)
- Blue (51%)



- Red (48%)
- Yellow (7%)
- Blue (51%)



- Cyan (5%)
- Magenta (87%)
- Yellow (0%)
- Black (49%)





- Cyan (52%)
- Magenta (93%)
- Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 66.928, 325.917 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, 66.928, 325.917 by changing the saturation by 10% instead.


 30, 66.928,
325.917


 30, 66.928,
325.917

 100, 66.928,
325.917


 20, 66.928,
325.917


 50, 66.928,
325.917


 10, 66.928,
325.917

 60, 66.928,
325.917

 0, 66.928, 325.917

 70, 66.928,
325.917

 80, 66.928,
325.917

 90, 66.928,
325.917

■ 30, 66.928,
325.917

■ 30, 66.928,
325.917

■ 29, 69.585,
325.890

■ 31, 62.761,
325.835

■ 29, 70.371,
325.878

■ 33, 57.021,
325.637

■ 36, 49.982,
325.341

■ 38, 41.982,
324.967

■ 42, 33.352,
324.537

■ 45, 24.371,
324.071

■ 48, 15.253,
323.583

■ 52, 6.152, 323.076

Harmonies

Complementary

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



30, 66.928, 325.917



47, 68.283, 136.241

Rectangle

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



30, 66.928, 325.917



30, 66.928, 15.917



30, 66.928, 145.917



30, 66.928, 195.917

Sweetspot

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



30, 66.926, 325.917



58, 29.158, 324.059



18, 69.576, 302.903



28, 19.669, 324.195



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



30, 66.926, 325.917



38, 84.952, 325.826



29, 50.577, 351.183



26, 5.172, 323.197



29, 70.359, 325.879



0, 1.231, 322.770

Inverse Universe

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



27, 53.815, 31.597



35, 73.946, 37.314



48, 51.803, 149.359



26, 3.056, 14.861



26, 60.273, 36.017



0, 0.711, 14.264

Previews

White Background



This preview shows how the CIELCh color 30, 66.928, 325.917 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, 66.928, 325.917 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

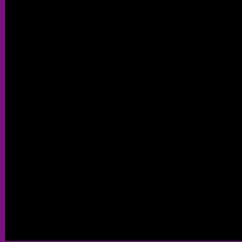
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 66.928, 325.917

Background



This preview shows how black text looks on a background with the CIELCh color 30, 66.928, 325.917.



This preview shows how white text looks on a background with the CIELCh color 30, 66.928, 325.917.

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, 66.928, 325.917

Protanopia

31, 49.889, 285.784

Deuteranopia

31, 32.614, 278.487



Tritanopia
30, 29.263, 21.761

Trichromacy



Original Color
30, 66.928, 325.917

Protanomaly
26, 57.977, 298.870

Deuteranomaly
28, 47.227, 303.587

Tritanomaly
29, 39.336, 347.424

Monochromacy



Original Color
30, 66.928, 325.917

Achromatopsia
26, 0.004, 296.813

Achromatomaly
25, 30.347, 324.554

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 66.928, 325.917 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(123, 17, 130)` looks like.

```
.text, #text, p{  
    color:rgb(123, 17, 130)  
}
```

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(123, 17, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 17, 130) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 66.928, 325.917 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(123, 17, 130) }
```

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

```
.border{ border-color:rgb(123, 17, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 17, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 17, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 17, 130);  
box-shadow:4px 4px 4px 4px rgb(123, 17,  
130) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 66.928, 325.917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 17, 130) }
```

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

```
.background{ background-color: rgb(123, 17,  
130) }
```

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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