

Converting Colors

CIELCh(29, 64.874, 332.622)

Have a look what the booklet for
CIELCh(29, 64.874, 332.622)
contains.

CIELCh(29, 64.568, 332.552)	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(29, 64.568, 332.552)

Conversions

Conversions Part 1

Format	Color
Hex	800073
RGB	128, 0, 115
RGB Percent	50%, 0%, 45%
CMY	0.4966, 1.0000, 0.5474
CMYK	0.00, 1.00, 0.10, 0.50
HSL	306°, 100%, 25%
HSV	306°, 100%, 50%
XYZ	12.0622, 5.8380, 16.8367
YIQ	51.3820, 39.3730, 62.9010

Conversions

Conversions Part 2

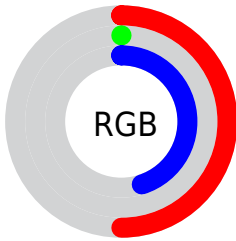
Format	Color
R_{YB}	128, 0, 115
Decimal	8388723
CIE _{Lab}	29.00, 57.30, -29.76
CIE _{LCh}	29, 64.568, 332.552
Yxy	5.8380, 0.3472, 0.1681
Android (android.graphics.Color)	4286578803 (0xFF800073)
YUV	51.3820, 31.3637, 67.1940
Hunter-Lab	24.1619, 46.8276, -24.4015

Details

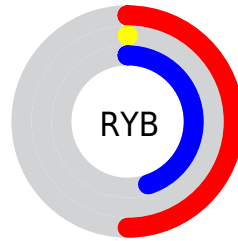
The CIELCh color **29, 64.568, 332.552** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **46, 69.830, 137.278**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 64.157, 332.655**, and **15, 43.790, 332.552** is the 20% darker color. If you saturate the color by 10%, you get **29, 64.336, 332.555**, and if you desaturate by 10%, it is **30, 62.449, 332.095**.

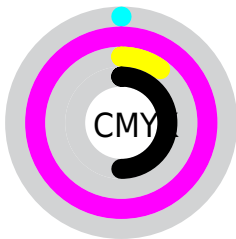
Distribution



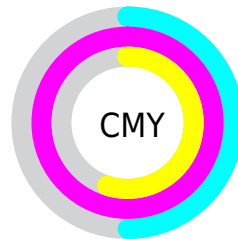
- Red (50%)
- Green (0%)
- Blue (45%)



- Red (50%)
- Yellow (0%)
- Blue (45%)



- Cyan (0%)
- Magenta (100%)
- Yellow (10%)
- Black (50%)





- Cyan (50%)
- Magenta (100%)
- Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 29, 64.568, 332.552 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 29, 64.568, 332.552 by changing the saturation by 10% instead.

 29, 64.568,
332.552

 29, 64.568,
332.552

 100, 64.568,
332.552

 19, 64.568,
332.552


 49, 64.568,
332.552

 9, 64.568, 332.552

 59, 64.568,
332.552

 0, 64.568, 332.552

 69, 64.568,
332.552

 79, 64.568,
332.552

 89, 64.568,
332.552

 99, 64.568,

332.552

■ 29, 64.568,
332.552

■ 29, 64.568,
332.552

■ 29, 64.336,
332.555

■ 30, 62.449,
332.095

■ 31, 59.446,
331.626

■ 33, 54.835,
331.139

■ 35, 48.829,
330.628

■ 37, 41.738,
330.094

■ 40, 33.894,
329.540

■ 43, 25.591,
328.975

■ 47, 17.068,
328.404

■ 50, 8.499, 327.829

Harmonies

Complementary

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



29, 64.568, 332.552



46, 69.830, 137.278

Rectangle

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



29, 64.568, 332.552



29, 64.568, 22.552



29, 64.568, 152.552



29, 64.568, 202.552

Sweetspot

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



29, 64.336, 332.555



55, 31.532, 329.014



14, 79.839, 306.752



27, 21.643, 329.215



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



29, 64.336, 332.555



38, 77.392, 332.664



26, 50.846, 9.917



25, 4.761, 327.776



29, 64.026, 332.552



0, 0.000, 0.000

Inverse Universe

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



29, 64.336, 332.555



38, 77.392, 332.664



47, 47.282, 155.543



25, 4.761, 327.776



29, 64.026, 332.552



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 29, 64.568, 332.552 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 29, 64.568, 332.552 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

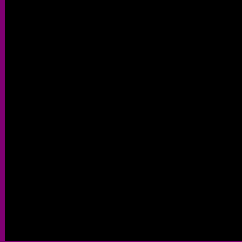
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 64.568, 332.552

Background



This preview shows how black text looks on a background with the CIELCh color 29, 64.568, 332.552.



This preview shows how white text looks on a background with the CIELCh color 29, 64.568, 332.552.

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

29, 64.172, 332.586

Protanopia

30, 49.959, 286.080

Deuteranopia

31, 23.361, 280.277



Tritanopia
30, 37.299, 24.889

Trichromacy



Original Color
29, 64.172, 332.586

Protanomaly
24, 59.701, 301.368

Deuteranomaly
26, 43.404, 313.500

Tritanomaly
28, 43.974, 356.227

Monochromacy



Original Color
29, 64.172, 332.586

Achromatopsia
22, 0.004, 296.813

Achromatomaly
21, 32.679, 330.579

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 64.568, 332.552 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(128, 0, 115)` looks like.

```
.text, #text, p{  
    color:rgb(128, 0, 115)  
}
```

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(128, 0, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 0, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 64.568, 332.552 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(128, 0, 115) }
```

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

```
.border{ border-color:rgb(128, 0, 115) }
```

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

Here you see how a box with a 4 pixel rgb(128, 0, 115) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 0, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 0, 115);  
box-shadow:4px 4px 4px 4px rgb(128, 0,  
115) }
```

Background

The CSS property to change the background color of an element to CIELCh 29, 64.568, 332.552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 0, 115) }
```

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

```
.background{ background-color: rgb(128, 0,  
115) }
```

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