

# Converting Colors

CIELCh(29, 30.590, 324.135)

Have a look what the booklet for  
CIELCh(29, 30.590, 324.135)  
contains.

<b>CIELCh(29, 30.663, 324.495)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

# Color

**CIELCh(29, 30.663, 324.495)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	5D3660
RGB	93, 54, 96
RGB Percent	36%, 21%, 38%
CMY	0.6346, 0.7876, 0.6228
CMYK	0.03, 0.44, 0.00, 0.62
HSL	296°, 28%, 29%
HSV	296°, 44%, 38%
XYZ	7.9786, 5.8380, 11.8152
YIQ	70.4490, 9.7620, 21.3300

# Conversions

## Conversions Part 2

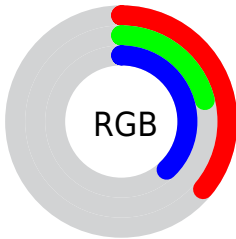
<b>Format</b>	<b>Color</b>
<b>RYB</b>	93, 54, 96
Decimal	6108768
CIELab	29.00, 24.96, -17.81
CIElCh	29, 30.663, 324.495
Yxy	5.8380, 0.3113, 0.2278
Android (android.graphics.Color)	4284298848 (0xFF5D3660)
YUV	70.4490, 12.5966, 19.7772
Hunter-Lab	24.1619, 16.6598, -12.0794

# Details

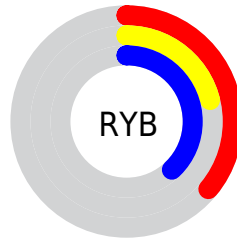
The CIELCh color **29, 30.663, 324.495** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **37, 30.549, 139.749**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **49, 30.685, 324.129**, and **9, 30.479, 324.506** is the 20% darker color. If you saturate the color by 10%, you get **27, 37.169, 324.879**, and if you desaturate by 10%, it is **31, 23.789, 324.066**.

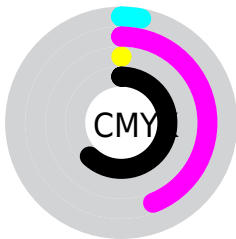
# Distribution



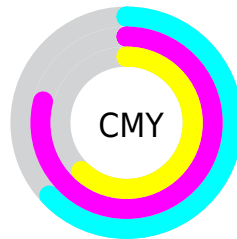
- Red (36%)
- Green (21%)
- Blue (38%)



- Red (36%)
- Yellow (21%)
- Blue (38%)



- Cyan (3%)
- Magenta (44%)
- Yellow (0%)
- Black (62%)



- Cyan (63%)
- Magenta (79%)
- Yellow (62%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 29, 30.663, 324.495 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, 30.663, 324.495 by changing the saturation by 10% instead.



 29, 30.663,  
324.495

 29, 30.663,  
324.495

 100, 30.663,  
324.495

 19, 30.663,  
324.495

 49, 30.663,  
324.495

 9, 30.663, 324.495

 59, 30.663,  
324.495

 0, 30.663, 324.495

 69, 30.663,  
324.495

 79, 30.663,  
324.495

 89, 30.663,  
324.495

 99, 30.663,

324.495

■ 29, 30.663,  
324.495

■ 29, 30.663,  
324.495

■ 27, 37.169,  
324.879

■ 31, 23.789,  
324.066

■ 25, 43.088,  
325.200

■ 34, 16.734,  
323.610

■ 23, 48.166,  
325.436

■ 37, 9.630, 323.137

■ 22, 52.168,  
325.569

■ 40, 2.575, 322.630

■ 43, 4.368, 142.258

■ 21, 55.050,  
325.597

■ 46, 11.159,  
141.794

■ 20, 56.810,  
325.615

■ 49, 17.776,  
141.363

■ 52, 24.208,  
140.957

■ 55, 30.453,  
140.575

# Harmonies

# Complementary

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



29, 30.663, 324.495



37, 30.549, 139.749

# Rectangle

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



29, 30.663, 324.495



29, 30.663, 14.495



29, 30.663, 144.495



29, 30.663, 194.495

# Sweetspot

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



29, 30.662, 324.495



48, 11.349, 323.124



26, 25.259, 292.390



24, 8.011, 323.202



77, 0.009, 296.813



27, 0.004, 296.813





# Same Dimension

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



29, 30.662, 324.495



35, 44.667, 324.876



29, 23.601, 343.040



18, 3.962, 322.905



24, 63.333, 325.567



54, 110.752, 325.403



# Inverse Universe

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



28, 20.160, 18.098



34, 30.431, 19.914



37, 22.933, 155.576



18, 2.347, 14.052



22, 53.111, 34.247



50, 96.914, 37.801



# Previews

## White Background



This preview shows how the CIE LCh color 29, 30.663, 324.495 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 CIE LCh color 29, 30.663, 324.495 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, 30.663, 324.495

## Background



This preview shows how black text looks on a background with the CIELCh color 29, 30.663, 324.495.



This preview shows how white text looks on a background with the CIELCh color 29, 30.663, 324.495.

# 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, 30.663, 324.495

### Protanopia

29, 25.246, 284.227

### Deuteranopia

29, 16.833, 284.414





**Tritanopia**  
29, 13.263, 8.065

# Trichromacy



**Original Color**  
29, 30.663, 324.495

**Protanomaly**  
29, 25.913, 298.785

**Deuteranomaly**  
29, 21.079, 304.365

**Tritanomaly**  
29, 17.980, 343.271

# Monochromacy



**Original Color**  
29, 30.663, 324.495

**Achromatopsia**  
30, 0.005, 296.813

**Achromatomaly**  
29, 11.374, 323.490

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 29, 30.663, 324.495 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(93, 54, 96)` looks like.

```
.text, #text, p{  
    color:rgb(93, 54, 96)  
}
```

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(93, 54, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 54, 96) }
```

## Border

The CSS property to change the border of an element to CIELCh 29, 30.663, 324.495 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(93, 54, 96) }
```

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

```
.border{ border-color:rgb(93, 54, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 54, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 54, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 54, 96);  
box-shadow:4px 4px 4px 4px rgb(93, 54, 96)  
}
```

# Background

The CSS property to change the background color of an element to CIELCh 29, 30.663, 324.495 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 54, 96) }
```

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

```
.background{ background-color: rgb(93, 54,  
96) }
```

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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