

Converting Colors

CIELCh(29, 54.947, 325.027)

Have a look what the booklet for
CIELCh(29, 54.947, 325.027)
contains.

CIELCh(29, 55.198, 325.038)	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, 55.198, 325.038)

Conversions

Conversions Part 1

Format	Color
Hex	6F2276
RGB	111, 34, 118
RGB Percent	44%, 13%, 46%
CMY	0.5645, 0.8665, 0.5371
CMYK	0.06, 0.71, 0.00, 0.54
HSL	295°, 55%, 30%
HSV	295°, 71%, 46%
XYZ	10.4069, 5.8380, 17.7311
YIQ	66.5990, 18.9280, 42.4480

Conversions

Conversions Part 2

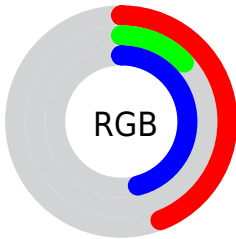
Format	Color
R_{YB}	111, 34, 118
Decimal	7283318
CIE _{Lab}	29.00, 45.24, -31.63
CIE _{LCh}	29, 55.198, 325.038
Yxy	5.8380, 0.3063, 0.1718
Android (android.graphics.Color)	4285473398 (0xFF6F2276)
YUV	66.5990, 25.3407, 38.9397
Hunter-Lab	24.1619, 34.5995, -26.5962

Details

The CIELCh color **29, 55.198, 325.038** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **44, 55.466, 137.049**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 55.280, 324.865**, and **12, 45.499, 323.731** is the 20% darker color. If you saturate the color by 10%, you get **27, 60.064, 325.166**, and if you desaturate by 10%, it is **31, 49.053, 324.798**.

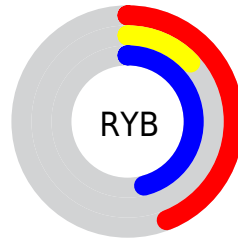
Distribution



Red (44%)

Green (13%)

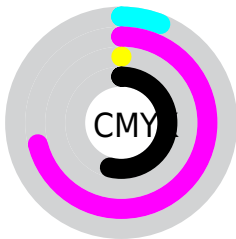
Blue (46%)



Red (44%)

Yellow (13%)

Blue (46%)

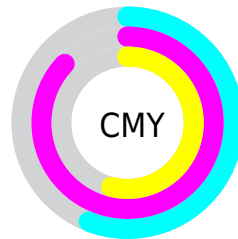


Cyan (6%)

Magenta (71%)

Yellow (0%)

Black (54%)



Cyan (56%)


Magenta (87%)


Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 29, 55.198, 325.038 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, 55.198, 325.038 by changing the saturation by 10% instead.

 29, 55.198,
325.038


 29, 55.198,
325.038

 100, 55.198,
325.038


 19, 55.198,
325.038


 49, 55.198,
325.038


 9, 55.198, 325.038

 59, 55.198,
325.038

 0, 55.198, 325.038

 69, 55.198,
325.038

 79, 55.198,
325.038

 89, 55.198,
325.038

 99, 55.198,

325.038

■ 29, 55.198,
325.038

■ 29, 55.198,
325.038

■ 27, 60.064,
325.166

■ 31, 49.053,
324.798

■ 26, 63.433,
325.166

■ 34, 41.936,
324.469

■ 25, 65.731,
325.112

■ 36, 34.156,
324.074

■ 39, 25.983,
323.635

■ 43, 17.630,
323.170

■ 46, 9.252, 322.689

■ 49, 0.956, 322.067

■ 53, 7.188, 141.799

■ 56, 15.139,
141.344

Harmonies

Complementary

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



29, 55.198, 325.038



44, 55.466, 137.049

Rectangle

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



29, 55.198, 325.038



29, 55.198, 15.038



29, 55.198, 145.038



29, 55.198, 195.038

Sweetspot

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



29, 55.197, 325.038



55, 21.644, 323.187



21, 51.282, 298.549



27, 14.570, 323.287



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



29, 55.197, 325.038



35, 75.127, 325.182



28, 42.498, 346.749



23, 4.637, 322.585



26, 67.462, 325.100



56, 114.419, 324.930

Inverse Universe

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



27, 40.509, 24.015



33, 59.448, 29.962



44, 41.923, 151.605



23, 2.764, 13.121



24, 56.781, 34.616



52, 99.522, 37.406

Previews

White Background



This preview shows how the CIE LCh color 29, 55.198, 325.038 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, 55.198, 325.038 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

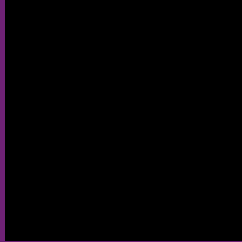
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 55.198, 325.038

Background



This preview shows how black text looks on a background with the CIELCh color 29, 55.198, 325.038.



This preview shows how white text looks on a background with the CIELCh color 29, 55.198, 325.038.

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





Tritanopia
29, 23.907, 18.289

Trichromacy



Original Color
29, 55.198, 325.038

Protanomaly
26, 50.496, 295.235

Deuteranomaly
28, 37.090, 302.235

Tritanomaly
29, 31.878, 346.427

Monochromacy



Original Color
29, 55.198, 325.038

Achromatopsia
28, 0.004, 296.813

Achromatomaly
27, 23.055, 323.394

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 55.198, 325.038 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(111, 34, 118)` looks like.

```
.text, #text, p{  
    color:rgb(111, 34, 118)  
}
```

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(111, 34, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 34, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 55.198, 325.038 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(111, 34, 118) }
```

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

```
.border{ border-color:rgb(111, 34, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 34, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(111, 34, 118); -webkit-box-shadow:4px 4px 4px 4px rgb(111, 34, 118); box-shadow:4px 4px 4px 4px rgb(111, 34, 118) }
```

Background

The CSS property to change the background color of an element to CIELCh 29, 55.198, 325.038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 34, 118) }
```

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

```
.background{ background-color: rgb(111, 34,  
118) }
```

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