

Converting Colors

CIELCh(29, 51.686, 316.444)

Have a look what the booklet for
CIELCh(29, 51.686, 316.444)
contains.

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Color

CIELCh(29, 51.695, 316.461)

Conversions

Conversions Part 1

Format	Color
Hex	602D7C
RGB	96, 45, 124
RGB Percent	38%, 18%, 49%
CMY	0.6230, 0.8231, 0.5132
CMYK	0.23, 0.64, 0.00, 0.51
HSL	279°, 47%, 33%
HSV	279°, 64%, 49%
XYZ	9.4263, 5.8380, 19.7408
YIQ	69.2550, 5.0370, 35.3810

Conversions

Conversions Part 2

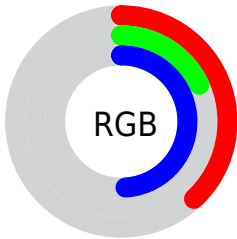
Format	Color
R_{YB}	96, 45, 124
Decimal	6303100
CIE _{Lab}	29.00, 37.47, -35.61
CIE _{LCh}	29, 51.695, 316.461
Yxy	5.8380, 0.2693, 0.1668
Android (android.graphics.Color)	4284493180 (0xFF602D7C)
YUV	69.2550, 26.9893, 23.4554
Hunter-Lab	24.1619, 27.3548, -31.5279

Details

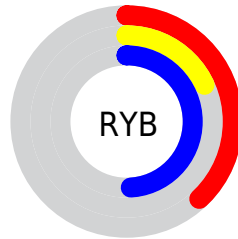
The CIELCh color $29, 51.695, 316.461$ is a dark color, and the websafe version is hex 663399 . A complement of this color would be $47, 48.957, 131.117$, and the grayscale version is $29, 0.005, 296.813$.

A 20% lighter version of the original color is $49, 51.607, 316.514$, and $10, 49.389, 316.065$ is the 20% darker color. If you saturate the color by 10%, you get $26, 58.604, 316.616$, and if you desaturate by 10%, it is $32, 44.000, 316.170$.

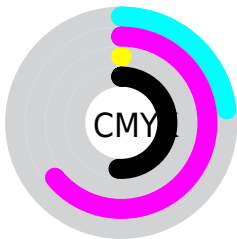
Distribution



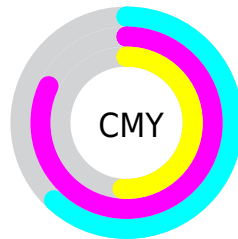
- Red (38%)
- Green (18%)
- Blue (49%)



- Red (38%)
- Yellow (18%)
- Blue (49%)



- Cyan (23%)
- Magenta (64%)
- Yellow (0%)
- Black (51%)





- Cyan (62%)
- Magenta (82%)
- Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 29, 51.695, 316.461 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, 51.695, 316.461 by changing the saturation by 10% instead.

 29, 51.695,
316.461


 29, 51.695,
316.461

 100, 51.695,
316.461


 19, 51.695,
316.461


 49, 51.695,
316.461


 9, 51.695, 316.461

 59, 51.695,
316.461

 0, 51.695, 316.461

 69, 51.695,
316.461

 79, 51.695,
316.461

 89, 51.695,
316.461

 99, 51.695,

316.461

■ 29, 51.695,
316.461

■ 29, 51.695,
316.461

■ 26, 58.604,
316.616

■ 32, 44.000,
316.170

■ 24, 64.312,
316.569

■ 36, 35.867,
315.797

■ 22, 68.450,
316.259

■ 39, 27.551,
315.381

■ 21, 70.836,
316.055

■ 43, 19.220,
314.951

■ 47, 10.984,
314.524

■ 51, 2.907, 314.090

■ 55, 4.976, 133.774

■ 58, 12.647,
133.409

■ 62, 20.102,
133.085

Harmonies

Complementary

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



29, 51.695, 316.461



47, 48.957, 131.117

Rectangle

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



29, 51.695, 316.461



29, 51.695, 6.461



29, 51.695, 136.461



29, 51.695, 186.461

Sweetspot

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



29, 51.694, 316.461



57, 18.995, 314.771



32, 32.255, 280.875



28, 13.205, 314.874



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



29, 51.694, 316.461



34, 73.762, 316.625



33, 48.738, 332.005



24, 4.458, 314.330



21, 71.177, 316.048



45, 120.257, 315.505

Inverse Universe

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



31, 37.064, 1.146



37, 52.418, 5.102



46, 49.534, 142.560



24, 3.171, 353.047



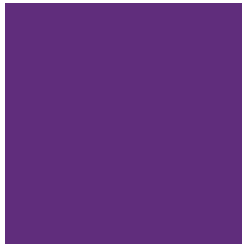
25, 50.264, 14.040



54, 85.496, 17.237

Previews

White Background



This preview shows how the CIE LCh color 29, 51.695, 316.461 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, 51.695, 316.461 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

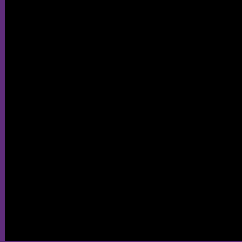
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 51.695, 316.461

Background



This preview shows how black text looks on a background with the CIELCh color 29, 51.695, 316.461.



This preview shows how white text looks on a background with the CIELCh color 29, 51.695, 316.461.

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, 51.695, 316.461

Protanopia

29, 47.743, 285.376

Deuteranopia

29, 32.406, 276.959



Tritanopia
29, 11.871, 6.084

Trichromacy



Original Color
29, 51.695, 316.461

Protanomaly
27, 49.036, 292.530

Deuteranomaly
28, 38.679, 293.676

Tritanomaly
29, 24.671, 328.016

Monochromacy



Original Color
29, 51.695, 316.461

Achromatopsia
29, 0.005, 296.813

Achromatomaly
28, 20.293, 315.589

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 51.695, 316.461 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(96, 45, 124)` looks like.

```
.text, #text, p{  
    color:rgb(96, 45, 124)  
}
```

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(96, 45, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 45, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 51.695, 316.461 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(96, 45, 124) }
```

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

```
.border{ border-color:rgb(96, 45, 124) }
```

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

Here you see how a box with a 4 pixel rgb(96, 45, 124) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 45, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 45, 124);  
box-shadow:4px 4px 4px 4px rgb(96, 45,  
124) }
```

Background

The CSS property to change the background color of an element to CIELCh 29, 51.695, 316.461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 45, 124) }
```

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

```
.background{ background-color: rgb(96, 45,  
124) }
```

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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