

Converting Colors

CIELCh(30, 49.300, 320.254)

Have a look what the booklet for
CIELCh(30, 49.300, 320.254)
contains.

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Color

CIELCh(30, 49.300, 320.254)

Conversions

Conversions Part 1

Format	Color
Hex	672E78
RGB	103, 46, 120
RGB Percent	40%, 18%, 47%
CMY	0.5950, 0.8186, 0.5284
CMYK	0.14, 0.62, 0.00, 0.53
HSL	286°, 44%, 33%
HSV	286°, 62%, 47%
XYZ	10.0177, 6.2359, 18.5296
YIQ	71.4790, 10.2180, 35.0980

Conversions

Conversions Part 2

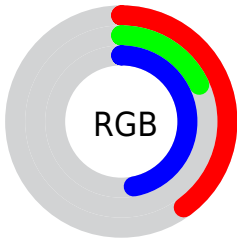
Format	Color
R_{YB}	103, 46, 120
Decimal	6762104
CIE _{Lab}	30.00, 37.91, -31.52
CIE _{LCh}	30, 49.300, 320.254
Yxy	6.2359, 0.2880, 0.1793
Android (android.graphics.Color)	4284952184 (0xFF672E78)
YUV	71.4790, 23.9209, 27.6439
Hunter-Lab	24.9718, 27.9066, -26.5142

Details

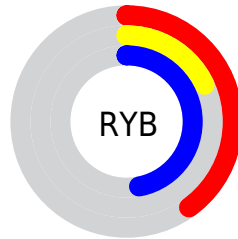
The CIELCh color $[30, 49.300, 320.254]$ is a dark color, and the websafe version is hex 663366 . A complement of this color would be $[45, 48.061, 134.593]$, and the grayscale version is $[30, 0.005, 296.813]$.

A 20% lighter version of the original color is $[50, 49.629, 320.174]$, and $[11, 47.062, 319.742]$ is the 20% darker color. If you saturate the color by 10%, you get $[27, 55.870, 320.413]$, and if you desaturate by 10%, it is $[33, 41.892, 319.979]$.

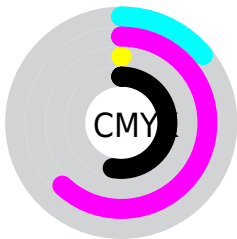
Distribution



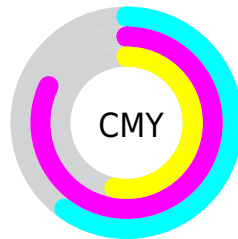
- Red (40%)
- Green (18%)
- Blue (47%)



- Red (40%)
- Yellow (18%)
- Blue (47%)



- Cyan (14%)
- Magenta (62%)
- Yellow (0%)
- Black (53%)





- Cyan (60%)
- Magenta (82%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 49.300, 320.254 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, 49.300, 320.254 by changing the saturation by 10% instead.


 30, 49.300,
320.254


 30, 49.300,
320.254

 100, 49.300,
320.254


 20, 49.300,
320.254


 50, 49.300,
320.254


 10, 49.300,
320.254

 60, 49.300,
320.254

 0, 49.300, 320.254

 70, 49.300,
320.254

 80, 49.300,
320.254

 90, 49.300,
320.254

■ 30, 49.300,
320.254

■ 30, 49.300,
320.254

■ 27, 55.870,
320.413

■ 33, 41.892,
319.979

■ 25, 61.247,
320.411

■ 36, 33.971,
319.626

■ 24, 65.109,
320.204

■ 39, 25.791,
319.228

■ 23, 67.768,
319.966

■ 43, 17.533,
318.807

■ 46, 9.321, 318.379

■ 50, 1.236, 317.869

■ 54, 6.677, 137.606

■ 57, 14.390,
137.222

■ 61, 21.892,
136.870

Harmonies

Complementary

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



30, 49.300, 320.254



45, 48.061, 134.593

Rectangle

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



30, 49.300, 320.254



30, 49.300, 10.254



30, 49.300, 140.254



30, 49.300, 190.254

Sweetspot

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



30, 49.299, 320.254



56, 18.049, 318.675



28, 36.642, 289.167



28, 12.661, 318.779



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



30, 49.299, 320.254



35, 70.293, 320.434



32, 42.360, 337.460



24, 4.606, 318.272



24, 69.662, 319.936



50, 117.488, 319.528

Inverse Universe

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



30, 34.528, 10.096



36, 50.353, 14.438



45, 42.565, 147.123



24, 2.983, 1.764



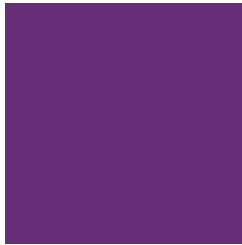
25, 52.952, 25.068



53, 91.348, 28.322

Previews

White Background



This preview shows how the CIE LCh color 30, 49.300, 320.254 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 30, 49.300, 320.254 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

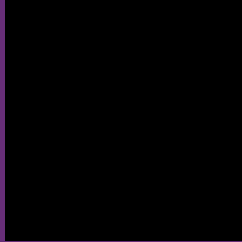
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 49.300, 320.254

Background



This preview shows how black text looks on a background with the CIELCh color 30, 49.300, 320.254.



This preview shows how white text looks on a background with the CIELCh color 30, 49.300, 320.254.

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, 49.300, 320.254

Protanopia

30, 47.333, 286.648

Deuteranopia

31, 28.706, 278.930



Tritanopia
30, 15.952, 13.309

Trichromacy



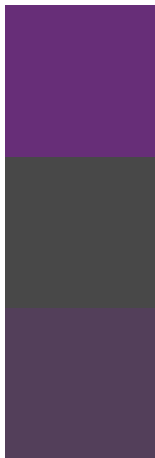
Original Color
30, 49.300, 320.254

Protanomaly
29, 47.321, 295.440

Deuteranomaly
29, 35.304, 297.874

Tritanomaly
30, 25.876, 337.440

Monochromacy



Original Color
30, 49.300, 320.254

Achromatopsia
31, 0.005, 296.813

Achromatomaly
30, 19.175, 318.199

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 49.300, 320.254 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(103, 46, 120)` looks like.

```
.text, #text, p{  
    color:rgb(103, 46, 120)  
}
```

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(103, 46, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 46, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 49.300, 320.254 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(103, 46, 120) }
```

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

```
.border{ border-color:rgb(103, 46, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 46, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 46, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 46, 120);  
box-shadow:4px 4px 4px 4px rgb(103, 46,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 49.300, 320.254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 46, 120) }
```

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

```
.background{ background-color: rgb(103, 46,  
120) }
```

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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