

Converting Colors

CIELCh(34, 29.989, 320.864)

Have a look what the booklet for
CIELCh(34, 29.989, 320.864)
contains.

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Color

CIELCh(34, 29.989, 320.864)

Conversions

Conversions Part 1

Format	Color
Hex	66436E
RGB	102, 67, 110
RGB Percent	40%, 26%, 43%
CMY	0.5991, 0.7364, 0.5677
CMYK	0.07, 0.39, 0.00, 0.57
HSL	289°, 24%, 35%
HSV	289°, 39%, 43%
XYZ	10.3517, 8.0082, 15.8165
YIQ	82.3670, 7.0570, 20.7930

Conversions

Conversions Part 2

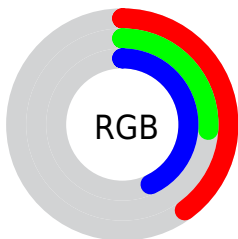
Format	Color
R_{YB}	102, 67, 110
Decimal	6701934
CIE _{Lab}	34.00, 23.26, -18.93
CIE _{LCh}	34, 29.989, 320.864
Yxy	8.0082, 0.3029, 0.2343
Android (android.graphics.Color)	4284892014 (0xFF66436E)
YUV	82.3670, 13.6231, 17.2181
Hunter-Lab	28.2988, 15.7725, -13.3286

Details

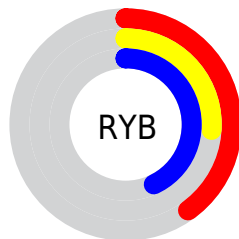
The CIELCh color $[34, 29.989, 320.864]$ is a dark color, and the websafe version is hex `663366`. A complement of this color would be $[43, 29.552, 137.163]$, and the grayscale version is $[35, 0.005, 296.813]$.

A 20% lighter version of the original color is $[54, 30.001, 320.841]$, and $[14, 30.101, 321.108]$ is the 20% darker color. If you saturate the color by 10%, you get $[31, 37.451, 321.233]$, and if you desaturate by 10%, it is $[37, 22.302, 320.455]$.

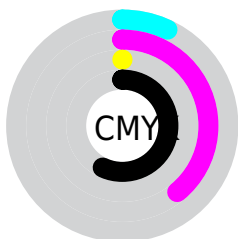
Distribution



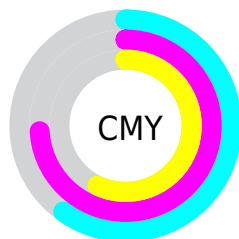
- Red (40%)
- Green (26%)
- Blue (43%)



- Red (40%)
- Yellow (26%)
- Blue (43%)



- Cyan (7%)
- Magenta (39%)
- Yellow (0%)
- Black (57%)



- Cyan (60%)
- Magenta (74%)
- Yellow (57%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 29.989, 320.864 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 34, 29.989, 320.864 by changing the saturation by 10% instead.


 34, 29.989,
320.864

 34, 29.989,
320.864

 100, 29.989,
320.864

 24, 29.989,
320.864

 54, 29.989,
320.864

 14, 29.989,
320.864

 64, 29.989,
320.864

 4, 29.989, 320.864

 74, 29.989,
320.864

 0, 29.989, 320.864

 84, 29.989,
320.864

 94, 29.989,
320.864

■ 34, 29.989,
320.864

■ 34, 29.989,
320.864

■ 31, 37.451,
321.233

■ 37, 22.302,
320.455

■ 28, 44.469,
321.537

■ 40, 14.553,
320.027

■ 26, 50.765,
321.744

■ 44, 6.853, 319.589

■ 24, 56.021,
321.816

■ 47, 0.729, 139.379

■ 50, 8.148, 138.805

■ 23, 59.949,
321.718

■ 54, 15.381,
138.415

■ 21, 62.971,
321.518

■ 57, 22.417,
138.054

■ 21, 63.279,
321.502

■ 60, 29.253,
137.719

■ 64, 35.892,
137.411

Harmonies

Complementary

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



34, 29.989, 320.864



43, 29.552, 137.163

Rectangle

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



34, 29.989, 320.864



34, 29.989, 10.864



34, 29.989, 140.864



34, 29.989, 190.864

Sweetspot

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



34, 29.988, 320.864



54, 11.300, 319.735



33, 21.801, 285.935



27, 7.448, 319.773



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



34, 29.988, 320.864



41, 44.432, 321.207



34, 25.521, 337.023



22, 4.334, 319.589



23, 67.185, 321.444



51, 114.906, 321.080

Inverse Universe

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



34, 19.974, 8.733



41, 30.157, 10.345



43, 25.234, 151.135



22, 2.728, 5.037



24, 52.628, 28.233



52, 92.560, 31.534

Previews

White Background



This preview shows how the CIELCh color 34, 29.989, 320.864 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 34, 29.989, 320.864 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

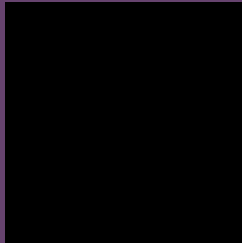
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 29.989, 320.864

Background



This preview shows how black text looks on a background with the CIELCh color 34, 29.989, 320.864.



This preview shows how white text looks on a background with the CIELCh color 34, 29.989, 320.864.

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

34, 29.989, 320.864

Protanopia

34, 25.848, 284.823

Deuteranopia

34, 18.242, 286.323



Tritanopia
34, 11.097, 4.991

Trichromacy



Original Color
34, 29.989, 320.864

Protanomaly
34, 25.837, 297.542

Deuteranomaly
34, 21.698, 302.609

Tritanomaly
34, 16.310, 338.693

Monochromacy



Original Color
34, 29.989, 320.864

Achromatopsia
35, 0.005, 296.813

Achromatomaly
35, 11.421, 319.887

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 29.989, 320.864 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(102, 67, 110)` looks like.

```
.text, #text, p{  
    color:rgb(102, 67, 110)  
}
```

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(102, 67, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 67, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 29.989, 320.864 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(102, 67, 110) }
```

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

```
.border{ border-color:rgb(102, 67, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 67, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 67, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 67, 110);  
box-shadow:4px 4px 4px 4px rgb(102, 67,  
110) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 29.989, 320.864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 67, 110) }
```

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

```
.background{ background-color: rgb(102, 67,  
110) }
```

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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