

Converting Colors

CIELCh(48, 34.569, 300.530)

Have a look what the booklet for
CIELCh(48, 34.569, 300.530)
contains.

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Color

CIELCh(48, 34.531, 300.643)

Conversions

Conversions Part 1

Format	Color
Hex	756AA4
RGB	117, 106, 164
RGB Percent	46%, 42%, 64%
CMY	0.5409, 0.5840, 0.3565
CMYK	0.29, 0.35, 0.00, 0.36
HSL	251°, 24%, 53%
HSV	251°, 35%, 64%
XYZ	19.2169, 16.7945, 37.3900
YIQ	115.9010, -12.0620, 20.3700

Conversions

Conversions Part 2

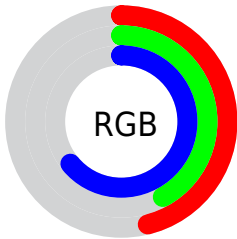
Format	Color
R_{YB}	117, 106, 164
Decimal	7695012
CIE _{Lab}	48.00, 17.60, -29.71
CIE _{LCh}	48, 34.531, 300.643
Yxy	16.7945, 0.2618, 0.2288
Android (android.graphics.Color)	4285885092 (0xFF756AA4)
YUV	115.9010, 23.7128, 0.9638
Hunter-Lab	40.9810, 11.9859, -25.4079

Details

The CIELCh color $48, 34.531, 300.643$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $65, 31.866, 115.180$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $68, 34.602, 300.649$, and $28, 34.406, 300.683$ is the 20% darker color. If you saturate the color by 10%, you get $43, 45.098, 301.780$, and if you desaturate by 10%, it is $53, 24.300, 299.629$.

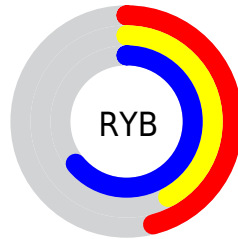
Distribution



Red (46%)

Green (42%)

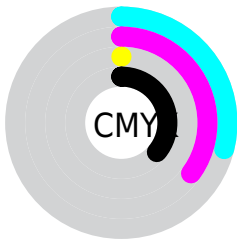
Blue (64%)



Red (46%)

Yellow (42%)

Blue (64%)

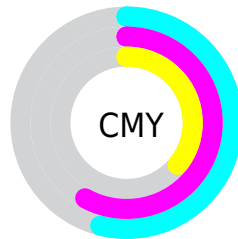


Cyan (29%)

Magenta (35%)

Yellow (0%)

Black (36%)



Cyan (54%)


Magenta (58%)

Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 34.531, 300.643 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 48, 34.531, 300.643 by changing the saturation by 10% instead.


 48, 34.531,
300.643


 48, 34.531,
300.643


 100, 34.531,
300.643

 38, 34.531,
300.643

 68, 34.531,
300.643


 28, 34.531,
300.643

 78, 34.531,
300.643

 18, 34.531,
300.643

 88, 34.531,
300.643

 8, 34.531, 300.643

 98, 34.531,
300.643

 0, 34.531, 300.643

 48, 34.531,

 48, 34.531,

300.643

300.643

■ 43, 45.098,
301.780

■ 53, 24.300,
299.629

■ 37, 55.907,
303.020

■ 59, 14.439,
298.739

■ 32, 66.714,
304.305

■ 64, 4.944, 297.964

■ 28, 77.014,
305.524

■ 70, 4.201, 117.299

■ 24, 85.919,
306.495

■ 75, 13.014,
116.722

■ 21, 92.289,
307.007

■ 81, 21.518,
116.225

■ 20, 94.800,
307.232

■ 86, 29.732,
115.798

■ 91, 37.675,
115.430

■ 97, 45.364,
115.113

Harmonies

Complementary

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



48, 34.531, 300.643



65, 31.866, 115.180

Rectangle

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



48, 34.531, 300.643



48, 34.531, 350.643



48, 34.531, 120.643



48, 34.531, 170.643

Sweetspot

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



48, 34.530, 300.643



78, 12.755, 298.404



61, 16.931, 218.999



40, 8.575, 298.505



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



48, 34.530, 300.643



57, 51.655, 301.478



51, 36.666, 316.692



32, 5.238, 298.254



17, 86.648, 307.300



1, 8.014, 296.904

Inverse Universe

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



52, 34.577, 332.394



64, 50.654, 332.895



63, 35.664, 133.532



32, 5.495, 330.701



33, 65.776, 337.323



1, 8.221, 331.826

Previews

White Background



This preview shows how the CIELCh color 48, 34.531, 300.643 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 × Fail

Black Background



This preview shows how the CIE LCh color 48, 34.531, 300.643 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

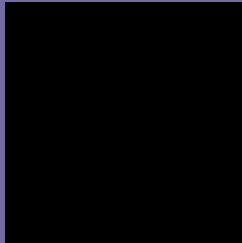
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 34.531, 300.643

Background



This preview shows how black text looks on a background with the CIELCh color 48, 34.531, 300.643.



This preview shows how white text looks on a background with the CIELCh color 48, 34.531, 300.643.

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


48, 34.531, 300.643

Protanopia

48, 33.763, 285.515

Deuteranopia

48, 29.768, 282.881



Tritanopia
48, 5.615, 270.659

Trichromacy



Original Color
48, 34.531, 300.643

Protanomaly
48, 33.606, 290.677

Deuteranomaly
48, 31.284, 290.052

Tritanomaly
48, 15.970, 293.615

Monochromacy



Original Color
48, 34.531, 300.643

Achromatopsia
49, 0.007, 296.813

Achromatomaly
48, 12.513, 298.780

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 34.531, 300.643 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(117, 106, 164)` looks like.

```
.text, #text, p{  
    color:rgb(117, 106, 164)  
}
```

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(117, 106, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 106, 164) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 34.531, 300.643 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(117, 106, 164) }
```

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

```
.border{ border-color:rgb(117, 106, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 106, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 106, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 106, 164);  
box-shadow:4px 4px 4px 4px rgb(117, 106,  
164) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 34.531, 300.643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 106, 164) }
```

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

```
.background{ background-color: rgb(117,  
106, 164) }
```

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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