

Converting Colors

CIELCh(48, 28.584, 300.077)

Have a look what the booklet for
CIELCh(48, 28.584, 300.077)
contains.

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Color

CIELCh(48, 28.584, 300.077)

Conversions

Conversions Part 1

Format	Color
Hex	756C9C
RGB	117, 108, 156
RGB Percent	46%, 42%, 61%
CMY	0.5426, 0.5779, 0.3897
CMYK	0.25, 0.31, 0.00, 0.39
HSL	251°, 19%, 52%
HSV	251°, 31%, 61%
XYZ	18.5808, 16.7945, 33.5462
YIQ	116.1630, -10.0440, 16.8360

Conversions

Conversions Part 2

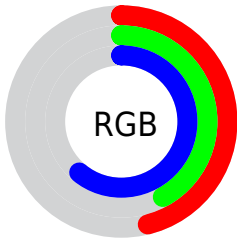
Format	Color
R_{YB}	117, 108, 156
Decimal	7695516
CIE _{Lab}	48.00, 14.33, -24.74
CIE _{LCh}	48, 28.584, 300.077
Y _{xy}	16.7945, 0.2696, 0.2437
Android (android.graphics.Color)	4285885596 (0xFF756C9C)
YUV	116.1630, 19.6396, 0.7340
Hunter-Lab	40.9810, 9.2149, -19.8469

Details

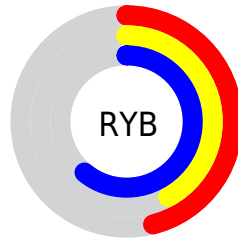
The CIELCh color `48, 28.584, 300.077` is a dark color, and the websafe version is hex `666699`. A complement of this color would be `62, 26.698, 115.395`, and the grayscale version is `49, 0.007, 296.813`.

A 20% lighter version of the original color is `68, 29.022, 300.360`, and `28, 28.586, 299.527` is the 20% darker color. If you saturate the color by 10%, you get `43, 38.559, 301.159`, and if you desaturate by 10%, it is `53, 18.949, 299.120`.

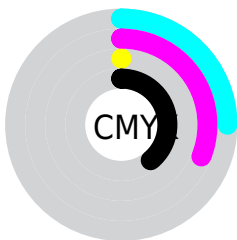
Distribution



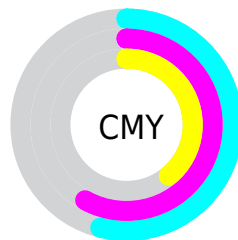
- Red (46%)
- Green (42%)
- Blue (61%)



- Red (46%)
- Yellow (42%)
- Blue (61%)



- Cyan (25%)
- Magenta (31%)
- Yellow (0%)
- Black (39%)



- Cyan (54%)
- Magenta (58%)
- Yellow (39%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 28.584, 300.077 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, 28.584, 300.077 by changing the saturation by 10% instead.

 48, 28.584,
300.077


 48, 28.584,
300.077


 100, 28.584,
300.077

 38, 28.584,
300.077

 68, 28.584,
300.077


 28, 28.584,
300.077

 78, 28.584,
300.077

 18, 28.584,
300.077

 88, 28.584,
300.077

 8, 28.584, 300.077

 98, 28.584,
300.077

 0, 28.584, 300.077

 48, 28.584,

 48, 28.584,

300.077

300.077

43, 38.559,
301.159

53, 18.949,
299.120

38, 48.823,
302.357

59, 9.669, 298.284

33, 59.220,
303.634

64, 0.732, 297.553

69, 7.879, 116.936

28, 69.406,
304.907

74, 16.183,
116.397

24, 78.722,
306.030

79, 24.199,
115.932

21, 86.138,
306.794

84, 31.948,
115.532

19, 91.166,
307.241

89, 39.445,
115.188

94, 46.707,

Harmonies

Complementary

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



48, 28.584, 300.077



62, 26.698, 115.395

Rectangle

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



48, 28.584, 300.077



48, 28.584, 350.077



48, 28.584, 120.077



48, 28.584, 170.077

Sweetspot

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



48, 28.583, 300.077



75, 9.889, 298.157



58, 14.398, 218.688



39, 6.944, 298.262



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



48, 28.583, 300.077



57, 42.881, 300.808



50, 30.557, 316.494



31, 5.101, 298.164



17, 85.549, 307.291



0, 6.564, 297.131

Inverse Universe

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



52, 28.992, 331.999



63, 42.766, 332.454



61, 29.830, 133.780



31, 5.361, 330.617



32, 65.059, 337.171



1, 6.815, 331.189

Previews

White Background



This preview shows how the CIELCh color 48, 28.584, 300.077 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 CIELCh color 48, 28.584, 300.077 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

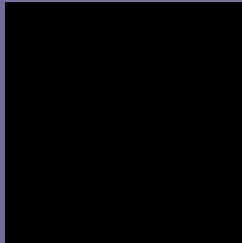
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 28.584, 300.077

Background



This preview shows how black text looks on a background with the CIELCh color 48, 28.584, 300.077.



This preview shows how white text looks on a background with the CIELCh color 48, 28.584, 300.077.

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, 28.584, 300.077

Protanopia

48, 27.847, 285.636

Deuteranopia

48, 25.469, 285.901



Tritanopia
48, 5.501, 274.457

Trichromacy



Original Color
48, 28.584, 300.077

Protanomaly
48, 28.331, 291.149

Deuteranomaly
48, 26.570, 291.442

Tritanomaly
48, 13.581, 291.979

Monochromacy



Original Color
48, 28.584, 300.077

Achromatopsia
49, 0.007, 296.813

Achromatomaly
48, 10.109, 298.045

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 28.584, 300.077 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, 108, 156)` looks like.

```
.text, #text, p{  
    color:rgb(117, 108, 156)  
}
```

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, 108, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 108, 156) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 28.584, 300.077 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, 108, 156) }
```

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

```
.border{ border-color:rgb(117, 108, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 108, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 108, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 108, 156);  
box-shadow:4px 4px 4px 4px rgb(117, 108,  
156) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 28.584, 300.077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 108, 156) }
```

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

```
.background{ background-color: rgb(117,  
108, 156) }
```

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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