

Converting Colors

CIELCh(48, 32.209, 297.203)

Have a look what the booklet for
CIELCh(48, 32.209, 297.203)
contains.

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Color

CIELCh(48, 31.964, 297.261)

Conversions

Conversions Part 1

Format	Color
Hex	716CA2
RGB	113, 108, 162
RGB Percent	44%, 42%, 64%
CMY	0.5575, 0.5771, 0.3654
CMYK	0.30, 0.33, 0.00, 0.37
HSL	246°, 22%, 53%
HSV	246°, 33%, 63%
XYZ	18.6415, 16.7945, 36.3621
YIQ	115.6510, -14.3540, 17.8540

Conversions

Conversions Part 2

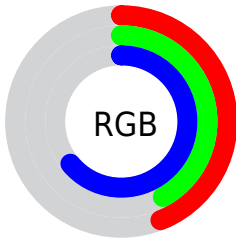
Format	Color
R_{YB}	113, 108, 162
Decimal	7433378
CIE _{Lab}	48.00, 14.64, -28.41
CIE _{LCh}	48, 31.964, 297.261
Yxy	16.7945, 0.2596, 0.2339
Android (android.graphics.Color)	4285623458 (0xFF716CA2)
YUV	115.6510, 22.8501, -2.3249
Hunter-Lab	40.9810, 9.4793, -23.9208

Details

The CIELCh color $48, 31.964, 297.261$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $65, 29.521, 111.113$, and the grayscale version is $49, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 32.156, 297.458$, and $28, 31.696, 297.098$ is the 20% darker color. If you saturate the color by 10%, you get $42, 42.383, 298.657$, and if you desaturate by 10%, it is $54, 21.934, 296.042$.

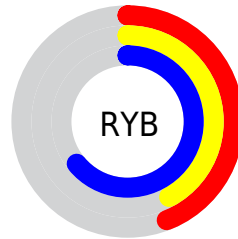
Distribution



Red (44%)

Green (42%)

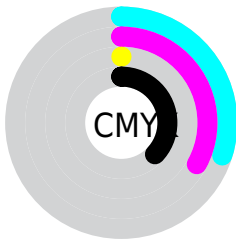
Blue (64%)



Red (44%)

Yellow (42%)

Blue (64%)

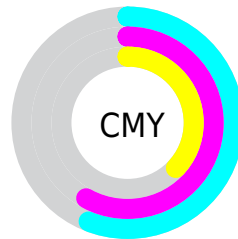


Cyan (30%)

Magenta (33%)

Yellow (0%)

Black (37%)



Cyan (56%)

Magenta (58%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 31.964, 297.261 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, 31.964, 297.261 by changing the saturation by 10% instead.

■ 48, 31.964,
297.261

■ 48, 31.964,
297.261

■ 100, 31.964,
297.261

■ 38, 31.964,
297.261

■ 68, 31.964,
297.261

■ 28, 31.964,
297.261

■ 78, 31.964,
297.261

■ 18, 31.964,
297.261

■ 88, 31.964,
297.261

■ 8, 31.964, 297.261

■ 98, 31.964,
297.261

■ 0, 31.964, 297.261

■ 48, 31.964,

■ 48, 31.964,

297.261

297.261

■ 42, 42.383,
298.657

■ 54, 21.934,
296.042

■ 37, 53.142,
300.221

■ 59, 12.299,
294.992

■ 32, 64.058,
301.905

■ 65, 3.039, 294.095

■ 27, 74.694,
303.593

■ 70, 5.870, 113.310

■ 23, 84.176,
305.078

■ 76, 14.452,
112.649


■ 20, 91.196,
306.089

■ 81, 22.729,
112.081

■ 19, 94.718,
306.623

■ 86, 30.723,
111.592

■ 92, 38.451,
111.170

 97, 45.933,
110.806

Harmonies

Complementary

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



48, 31.964, 297.261



65, 29.521, 111.113

Rectangle

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



48, 31.964, 297.261



48, 31.964, 347.261



48, 31.964, 117.261



48, 31.964, 167.261

Sweetspot

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



48, 31.963, 297.261



78, 11.386, 294.691



62, 17.105, 206.521



41, 7.850, 294.816



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, 31.963, 297.261



57, 48.400, 298.278



50, 33.569, 313.396



32, 5.203, 294.607



16, 87.495, 306.661



0, 7.966, 293.472

Inverse Universe

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



53, 34.525, 328.938



65, 51.165, 329.358



63, 32.352, 130.425



32, 5.883, 327.543



33, 70.797, 332.210



1, 8.933, 327.879

Previews

White Background



This preview shows how the CIELCh color 48, 31.964, 297.261 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, 31.964, 297.261 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

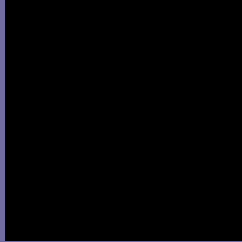
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 48, 31.964, 297.261

Background



This preview shows how black text looks on a background with the CIELCh color 48, 31.964, 297.261.

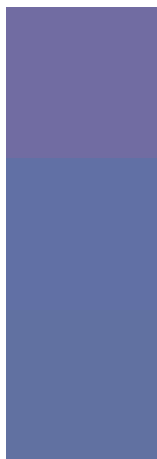


This preview shows how white text looks on a background with the CIELCh color 48, 31.964, 297.261.

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, 31.964, 297.261

Protanopia

48, 31.402, 285.489

Deuteranopia

48, 28.539, 283.394



Tritanopia
48, 6.470, 254.506

Trichromacy



Original Color
48, 31.964, 297.261

Protanomaly
48, 31.865, 290.214

Deuteranomaly
48, 29.514, 288.888

Tritanomaly
48, 15.389, 286.762

Monochromacy



Original Color
48, 31.964, 297.261

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 11.848, 295.417

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 31.964, 297.261 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(113, 108, 162)` looks like.

```
.text, #text, p{  
    color:rgb(113, 108, 162)  
}
```

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(113, 108, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 108, 162) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 31.964, 297.261 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(113, 108, 162) }
```

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

```
.border{ border-color:rgb(113, 108, 162) }
```

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

Here you see how a box with a 4 pixel rgb(113, 108, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 108, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 108, 162);  
box-shadow:4px 4px 4px 4px rgb(113, 108,  
162) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 31.964, 297.261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 108, 162) }
```

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

```
.background{ background-color: rgb(113,  
108, 162) }
```

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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