

Converting Colors

CIELCh(48, 17.093, 284.628)

Have a look what the booklet for
CIELCh(48, 17.093, 284.628)
contains.

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Color

CIELCh(48, 17.216, 284.049)

Conversions

Conversions Part 1

Format	Color
Hex	6A718E
RGB	106, 113, 142
RGB Percent	42%, 44%, 56%
CMY	0.5847, 0.5573, 0.4436
CMYK	0.25, 0.20, 0.00, 0.44
HSL	228°, 15%, 49%
HSV	228°, 25%, 56%
XYZ	16.6992, 16.7945, 27.9095
YIQ	114.2130, -13.4810, 7.5350

Conversions

Conversions Part 2

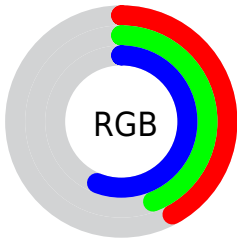
Format	Color
R_{YB}	106, 112, 142
Decimal	6975886
CIE _{Lab}	48.00, 4.18, -16.70
CIE _{LCh}	48, 17.216, 284.049
Yxy	16.7945, 0.2720, 0.2735
Android (android.graphics.Color)	4285165966 (0xFF6A718E)
YUV	114.2130, 13.6990, -7.2028
Hunter-Lab	40.9810, 1.0192, -11.6918

Details

The CIELCh color $48, 17.216, 284.049$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $56, 16.727, 97.888$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 17.190, 283.807$, and $28, 17.585, 285.077$ is the 20% darker color. If you saturate the color by 10%, you get $44, 24.369, 285.743$, and if you desaturate by 10%, it is $52, 10.279, 282.594$.

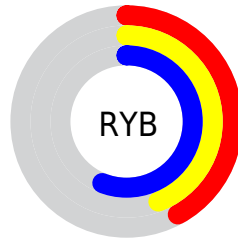
Distribution



Red (42%)

Green (44%)

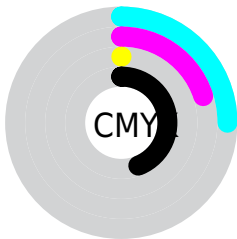
Blue (56%)



Red (42%)

Yellow (44%)

Blue (56%)

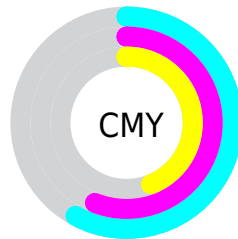


Cyan (25%)

Magenta (20%)

Yellow (0%)

Black (44%)



Cyan (58%)


Magenta (56%)

Yellow (44%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 17.216, 284.049 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, 17.216, 284.049 by changing the saturation by 10% instead.

 48, 17.216,
284.049


 48, 17.216,
284.049


 100, 17.216,
284.049


 38, 17.216,
284.049


 68, 17.216,
284.049


 28, 17.216,
284.049

 78, 17.216,
284.049

 18, 17.216,
284.049


 88, 17.216,
284.049

 8, 17.216, 284.049

 98, 17.216,
284.049

 0, 17.216, 284.049

 48, 17.216,

 48, 17.216,

284.049

284.049

■ 44, 24.369,
285.743

■ 52, 10.279,
282.594

■ 39, 31.763,
287.712

■ 57, 3.544, 281.363

■ 35, 39.415,
289.975

■ 61, 3.004, 100.209

■ 65, 9.375, 99.299

■ 31, 47.328,
292.529

■ 70, 15.579, 98.489

■ 27, 55.452,
295.318

■ 74, 21.623, 97.776

■ 78, 27.514, 97.147

■ 23, 63.603,
298.211

■ 82, 33.259, 96.590

■ 20, 71.373,
300.979

■ 86, 38.863, 96.093

■ 19, 74.708,
302.060

Harmonies

Complementary

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



48, 17.216, 284.049



56, 16.727, 97.888

Rectangle

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



48, 17.216, 284.049



48, 17.216, 334.049



48, 17.216, 104.049



48, 17.216, 154.049

Sweetspot

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



48, 17.215, 284.047



70, 6.540, 281.684



56, 14.111, 181.008



36, 4.639, 281.847



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



48, 17.215, 284.047



59, 25.323, 284.907



47, 21.796, 303.419



28, 3.765, 281.805



18, 71.824, 301.937



0, 2.514, 280.732

Inverse Universe

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



49, 15.587, 6.261



60, 23.010, 6.965



57, 20.768, 120.376



28, 3.351, 4.426



27, 57.427, 28.317



0, 2.212, 3.667

Previews

White Background



This preview shows how the CIELCh color 48, 17.216, 284.049 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, 17.216, 284.049 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

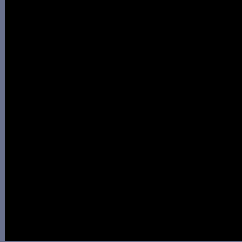
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

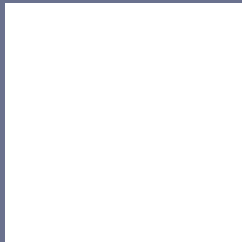
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 17.216, 284.049

Background



This preview shows how black text looks on a background with the CIELCh color 48, 17.216, 284.049.



This preview shows how white text looks on a background with the CIELCh color 48, 17.216, 284.049.

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, 17.216, 284.049

Protanopia

48, 17.178, 285.217

Deuteranopia

48, 17.702, 290.166



Tritanopia
48, 7.154, 247.097

Trichromacy



Original Color
48, 17.216, 284.049

Protanomaly
48, 17.178, 285.217

Deuteranomaly
48, 17.713, 289.008

Tritanomaly
48, 10.175, 267.646

Monochromacy



Original Color
48, 17.216, 284.049

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 5.988, 279.745

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 17.216, 284.049 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(106, 113, 142)` looks like.

```
.text, #text, p{  
    color:rgb(106, 113, 142)  
}
```

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(106, 113, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 113, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 17.216, 284.049 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(106, 113, 142) }
```

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

```
.border{ border-color:rgb(106, 113, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 113, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 113, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 113, 142);  
box-shadow:4px 4px 4px 4px rgb(106, 113,  
142) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 17.216, 284.049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 113, 142) }
```

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

```
.background{ background-color: rgb(106,  
113, 142) }
```

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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