

Converting Colors

CIELCh(49, 17.485, 250.050)

Have a look what the booklet for
CIELCh(49, 17.485, 250.050)
contains.

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Color

CIELCh(49, 17.528, 249.411)

Conversions

Conversions Part 1

Format	Color
Hex	567990
RGB	86, 121, 144
RGB Percent	34%, 47%, 56%
CMY	0.6636, 0.5264, 0.4362
CMYK	0.40, 0.16, 0.00, 0.44
HSL	204°, 25%, 45%
HSV	204°, 40%, 56%
XYZ	15.6430, 17.5941, 28.8636
YIQ	113.1570, -28.2430, -0.2670

Conversions

Conversions Part 2

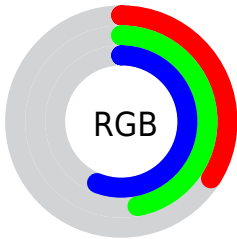
Format	Color
R_{YB}	86, 108, 144
Decimal	5667216
CIE _{Lab}	49.00, -6.16, -16.41
CIE _{LCh}	49, 17.528, 249.411
Yxy	17.5941, 0.2519, 0.2833
Android (android.graphics.Color)	4283857296 (0xFF567990)
YUV	113.1570, 15.2056, -23.8167
Hunter-Lab	41.9453, -6.8347, -11.4372

Details

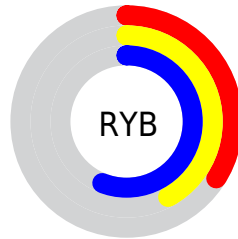
The CIELCh color $49, 17.528, 249.411$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $49, 21.124, 59.635$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 17.649, 250.220$, and $29, 17.518, 249.214$ is the 20% darker color. If you saturate the color by 10%, you get $46, 21.383, 251.737$, and if you desaturate by 10%, it is $52, 13.446, 247.493$.

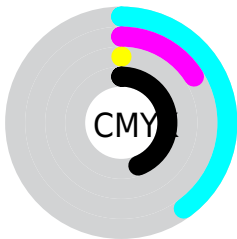
Distribution



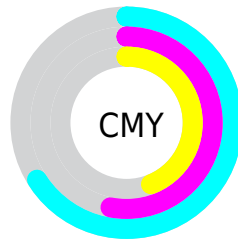
- Red (34%)
- Green (47%)
- Blue (56%)



- Red (34%)
- Yellow (42%)
- Blue (56%)



- Cyan (40%)
- Magenta (16%)
- Yellow (0%)
- Black (44%)



- Cyan (66%)
- Magenta (53%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 17.528, 249.411 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 49, 17.528, 249.411 by changing the saturation by 10% instead.

■ 49, 17.528,
249.411

■ 49, 17.528,
249.411

■ 100, 17.528,
249.411

■ 39, 17.528,
249.411

■ 69, 17.528,
249.411

■ 29, 17.528,
249.411

■ 79, 17.528,
249.411

■ 19, 17.528,
249.411

■ 89, 17.528,
249.411

■ 9, 17.528, 249.411

■ 99, 17.528,
249.411

■ 0, 17.528, 249.411

■ 49, 17.528,

■ 49, 17.528,

249.411

249.411

■ 46, 21.383,
251.737

■ 52, 13.446,
247.493

■ 44, 24.996,
254.548

■ 54, 9.169, 245.921

■ 42, 28.372,
257.901

■ 57, 4.729, 244.651

■ 60, 0.161, 245.673

■ 40, 31.547,
261.824

■ 62, 4.506, 62.517

■ 37, 34.598,
266.285

■ 65, 9.243, 61.802

■ 68, 14.028, 61.178

■ 36, 37.582,
270.746

■ 71, 18.841, 60.642

■ 74, 23.667, 60.182

Harmonies

Complementary

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



49, 17.528, 249.411



49, 21.124, 59.635

Rectangle

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



49, 17.528, 249.411



49, 17.528, 299.411



49, 17.528, 69.411



49, 17.528, 119.411

Sweetspot

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



49, 17.527, 249.409



72, 6.760, 244.871



55, 30.315, 154.272



37, 4.512, 245.006



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



49, 17.527, 249.409



60, 25.255, 251.397



41, 31.121, 290.625



29, 2.573, 244.524



33, 35.775, 270.430



1, 1.759, 243.476

Inverse Universe

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



44, 30.744, 341.830



53, 44.728, 342.753



57, 28.874, 100.731



28, 4.243, 339.095



29, 54.865, 351.738



1, 2.841, 338.463

Previews

White Background



This preview shows how the CIELCh color 49, 17.528, 249.411 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 49, 17.528, 249.411 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

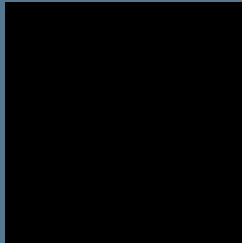
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

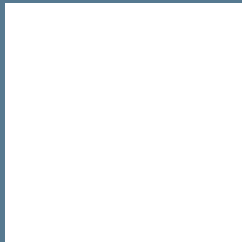
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 17.528, 249.411

Background



This preview shows how black text looks on a background with the CIELCh color 49, 17.528, 249.411.



This preview shows how white text looks on a background with the CIELCh color 49, 17.528, 249.411.

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

49, 17.528, 249.411

Protanopia

49, 14.736, 286.390

Deuteranopia

49, 18.233, 290.284



Tritanopia
49, 14.956, 221.379

Trichromacy



Original Color
49, 17.528, 249.411

Protanomaly
49, 14.914, 270.934

Deuteranomaly
49, 17.582, 276.134

Tritanomaly
49, 15.485, 233.221

Monochromacy



Original Color
49, 17.528, 249.411

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 6.756, 243.463

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 17.528, 249.411 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(86, 121, 144)` looks like.

```
.text, #text, p{  
    color:rgb(86, 121, 144)  
}
```

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(86, 121, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 121, 144) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 17.528, 249.411 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(86, 121, 144) }
```

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

```
.border{ border-color:rgb(86, 121, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 121, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 121, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 121, 144);  
box-shadow:4px 4px 4px 4px rgb(86, 121,  
144) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 17.528, 249.411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 121, 144) }
```

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

```
.background{ background-color: rgb(86, 121,  
144) }
```

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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