

Converting Colors

CIELCh(49, 27.537, 165.782)

Have a look what the booklet for
CIELCh(49, 27.537, 165.782)
contains.

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Color

CIELCh(49, 27.537, 165.782)

Conversions

Conversions Part 1

Format	Color
Hex	408068
RGB	64, 128, 104
RGB Percent	25%, 50%, 41%
CMY	0.7482, 0.4972, 0.5914
CMYK	0.50, 0.00, 0.19, 0.50
HSL	157°, 33%, 38%
HSV	157°, 50%, 50%
XYZ	12.3838, 17.5941, 15.8937
YIQ	106.1280, -30.4400, -21.0320

Conversions

Conversions Part 2

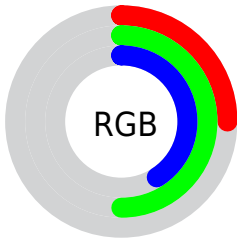
Format	Color
RYB	64, 103, 128
Decimal	4227176
CIELab	49.00, -26.69, 6.76
CIELCh	49, 27.537, 165.782
Yxy	17.5941, 0.2700, 0.3836
Android (android.graphics.Color)	4282417256 (0xFF408068)
YUV	106.1280, -1.0491, -36.9463
Hunter-Lab	41.9453, -20.7044, 6.8959

Details

The CIELCh color $49, 27.537, 165.782$ is a dark color, and the websafe version is hex 006666 . A complement of this color would be $36, 30.544, 356.894$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 27.462, 165.845$, and $29, 27.356, 165.908$ is the 20% darker color. If you saturate the color by 10%, you get $48, 32.199, 164.389$, and if you desaturate by 10%, it is $50, 22.474, 167.031$.

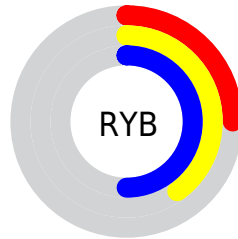
Distribution



Red (25%)

Green (50%)

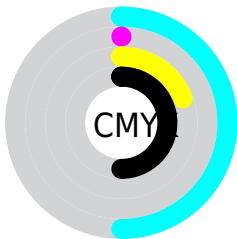
Blue (41%)



Red (25%)

Yellow (40%)

Blue (50%)

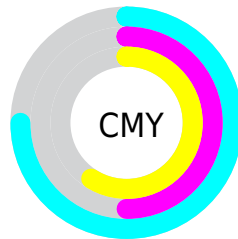


Cyan (50%)

Magenta (0%)

Yellow (19%)

Black (50%)



Cyan (75%)

Magenta (50%)

Yellow (59%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 27.537, 165.782 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, 27.537, 165.782 by changing the saturation by 10% instead.

 49, 27.537,
165.782


 49, 27.537,
165.782

 100, 27.537,
165.782


 39, 27.537,
165.782

 69, 27.537,
165.782


 29, 27.537,
165.782

 79, 27.537,
165.782

 19, 27.537,
165.782

 89, 27.537,
165.782

 9, 27.537, 165.782

 99, 27.537,
165.782

 0, 27.537, 165.782

 49, 27.537,

 49, 27.537,

165.782

165.782

■ 48, 32.199,
164.389

■ 50, 22.474,
167.031

■ 48, 36.381,
162.832

■ 51, 17.097,
168.161

■ 48, 40.032,
161.091

■ 51, 11.496,
169.194

■ 47, 43.135,
159.156

■ 53, 5.755, 170.161

■ 47, 45.880,
157.163

■ 54, 0.053, 344.849

■ 55, 5.867, 351.724

■ 47, 45.903,
157.147

■ 56, 11.641,
352.509

■ 58, 17.337,
353.232

■ 59, 22.930,

Harmonies

Complementary

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



49, 27.537, 165.782



36, 30.544, 356.894

Rectangle

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



49, 27.537, 165.782



49, 27.537, 215.782



49, 27.537, 345.782



49, 27.537, 35.782

Sweetspot

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



49, 27.538, 165.781



66, 10.714, 169.641



49, 39.938, 130.771



34, 7.359, 169.469



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



49, 27.538, 165.781



62, 39.606, 164.173



47, 19.127, 210.989



26, 3.257, 170.240



47, 45.708, 157.161



0, 0.000, 0.000

Inverse Universe

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



36, 30.544, 356.894



43, 44.675, 359.135



37, 27.664, 32.849



25, 3.321, 351.710



26, 50.784, 12.216



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 49, 27.537, 165.782 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, 27.537, 165.782 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

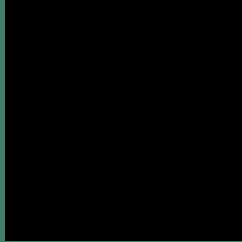
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 27.537, 165.782

Background



This preview shows how black text looks on a background with the CIELCh color 49, 27.537, 165.782.



This preview shows how white text looks on a background with the CIELCh color 49, 27.537, 165.782.

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, 27.537, 165.782

Protanopia

49, 10.826, 94.971

Deuteranopia

49, 7.958, 37.230



Tritanopia
49, 17.904, 217.091

Trichromacy



Original Color
49, 27.537, 165.782

Protanomaly
48, 14.156, 142.188

Deuteranomaly
48, 8.150, 146.207

Tritanomaly
49, 19.657, 192.170

Monochromacy



Original Color
49, 27.537, 165.782

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 10.696, 168.189

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 27.537, 165.782 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(64, 128, 104)` looks like.

```
.text, #text, p{  
    color:rgb(64, 128, 104)  
}
```

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(64, 128, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 128, 104) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 27.537, 165.782 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(64, 128, 104) }
```

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

```
.border{ border-color:rgb(64, 128, 104) }
```

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

Here you see how a box with a 4 pixel rgb(64, 128, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 128, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 128, 104);  
box-shadow:4px 4px 4px 4px rgb(64, 128,  
104) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 27.537, 165.782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 128, 104) }
```

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

```
.background{ background-color: rgb(64, 128,  
104) }
```

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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