

Converting Colors

CIELCh(49, 10.652, 290.584)

Have a look what the booklet for
CIELCh(49, 10.652, 290.584)
contains.

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Color

CIELCh(49, 10.584, 291.567)

Conversions

Conversions Part 1

Format	Color
Hex	737385
RGB	115, 115, 133
RGB Percent	45%, 45%, 52%
CMY	0.5491, 0.5491, 0.4785
CMYK	0.14, 0.14, 0.00, 0.48
HSL	240°, 7%, 49%
HSV	240°, 14%, 52%
XYZ	17.4290, 17.5941, 24.6609
YIQ	117.0520, -5.7780, 5.5980

Conversions

Conversions Part 2

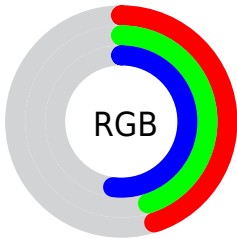
Format	Color
R_{YB}	115, 115, 133
Decimal	7566213
CIE _{Lab}	49.00, 3.89, -9.84
CIE _{LCh}	49, 10.584, 291.567
Yxy	17.5941, 0.2920, 0.2948
Android (android.graphics.Color)	4285756293 (0xFF737385)
YUV	117.0520, 7.8624, -1.7996
Hunter-Lab	41.9453, 0.7656, -5.4967

Details

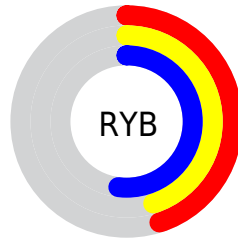
The CIELCh color $49, 10.584, 291.567$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $55, 10.272, 108.914$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 10.445, 291.232$, and $29, 10.318, 292.121$ is the 20% darker color. If you saturate the color by 10%, you get $44, 18.769, 292.796$, and if you desaturate by 10%, it is $54, 2.716, 290.525$.

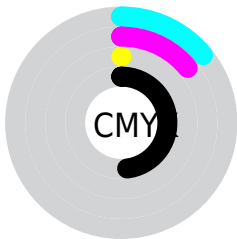
Distribution



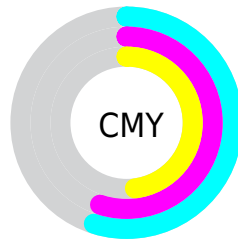
- Red (45%)
- Green (45%)
- Blue (52%)



- Red (45%)
- Yellow (45%)
- Blue (52%)



- Cyan (14%)
- Magenta (14%)
- Yellow (0%)
- Black (48%)



- Cyan (55%)
- Magenta (55%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 10.584, 291.567 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, 10.584, 291.567 by changing the saturation by 10% instead.

■ 49, 10.584,
291.567

■ 49, 10.584,
291.567

■ 100, 10.584,
291.567

■ 39, 10.584,
291.567

■ 69, 10.584,
291.567

■ 29, 10.584,
291.567

■ 79, 10.584,
291.567

■ 19, 10.584,
291.567

■ 89, 10.584,
291.567

■ 9, 10.584, 291.567

■ 99, 10.584,
291.567

■ 0, 10.584, 291.567

■ 49, 10.584,

■ 49, 10.584,

291.567

44, 18.769,
292.796

39, 27.298,
294.239

34, 36.182,
295.912

30, 45.396,
297.814

25, 54.817,
299.897

21, 64.100,
302.034

18, 72.500,
303.989

15, 78.858,
305.456

291.567

54, 2.716, 290.525

59, 4.855, 109.601

63, 12.152,
108.840

68, 19.194,
108.184

73, 25.999,
107.618

77, 32.581,
107.128

82, 38.956,
106.703

87, 45.135,
106.331

■ 14, 82.512,
306.286

■ 91, 51.132,
106.006

Harmonies

Complementary

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



49, 10.584, 291.567



55, 10.272, 108.914

Rectangle

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



49, 10.584, 291.567



49, 10.584, 341.567



49, 10.584, 111.567



49, 10.584, 161.567

Sweetspot

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



49, 10.583, 291.564



68, 3.820, 290.577



54, 6.878, 197.314



35, 2.706, 290.640



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



49, 10.583, 291.564



61, 15.625, 291.892



50, 11.128, 309.081



25, 4.363, 291.081



13, 81.193, 306.285



0, 1.028, 290.174

Inverse Universe

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



50, 7.461, 20.213



63, 11.074, 20.442



54, 10.923, 127.901



26, 3.050, 19.872



26, 62.116, 38.504



0, 0.707, 19.397

Previews

White Background



This preview shows how the CIELCh color 49, 10.584, 291.567 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 49, 10.584, 291.567 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

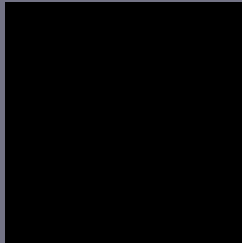
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

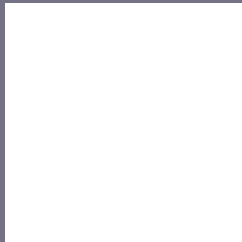
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 10.584, 291.567

Background



This preview shows how black text looks on a background with the CIELCh color 49, 10.584, 291.567.



This preview shows how white text looks on a background with the CIELCh color 49, 10.584, 291.567.

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, 10.584, 291.567

Protanopia

49, 10.598, 287.484

Deuteranopia

49, 12.120, 304.480



Tritanopia
49, 5.333, 282.478

Trichromacy



Original Color
49, 10.584, 291.567

Protanomaly
49, 10.585, 289.520

Deuteranomaly
49, 11.311, 299.392

Tritanomaly
49, 7.078, 284.855

Monochromacy



Original Color
49, 10.584, 291.567

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 4.115, 290.730

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 10.584, 291.567 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(115, 115, 133)` looks like.

```
.text, #text, p{  
    color:rgb(115, 115, 133)  
}
```

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(115, 115, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 115, 133) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 10.584, 291.567 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(115, 115, 133) }
```

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

```
.border{ border-color:rgb(115, 115, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 115, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 115, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 115, 133);  
box-shadow:4px 4px 4px 4px rgb(115, 115,  
133) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 10.584, 291.567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 115, 133) }
```

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

```
.background{ background-color: rgb(115,  
115, 133) }
```

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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