

Converting Colors

CIELCh(44, 49.707, 287.919)

Have a look what the booklet for
CIELCh(44, 49.707, 287.919)
contains.

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Color

CIELCh(44, 49.750, 287.948)

Conversions

Conversions Part 1

Format	Color
Hex	4664B7
RGB	70, 100, 183
RGB Percent	27%, 39%, 72%
CMY	0.7254, 0.6078, 0.2823
CMYK	0.62, 0.45, 0.00, 0.28
HSL	224°, 45%, 50%
HSV	224°, 62%, 72%
XYZ	15.6332, 13.8382, 46.6528
YIQ	100.4920, -44.5230, 19.4530

Conversions

Conversions Part 2

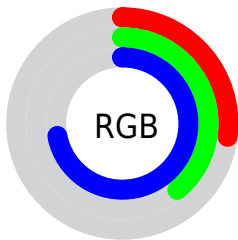
Format	Color
R_{YB}	70, 94, 183
Decimal	4613303
CIE _{Lab}	44.00, 15.33, -47.33
CIE _{LCh}	44, 49.750, 287.948
Yxy	13.8382, 0.2054, 0.1818
Android (android.graphics.Color)	4282803383 (0xFF4664B7)
YUV	100.4920, 40.6764, -26.7415
Hunter-Lab	37.1997, 9.9153, -48.3167

Details

The CIELCh color `44, 49.750, 287.948` is a dark color, and the websafe version is hex `3366CC`. A complement of this color would be `64, 46.825, 88.304`, and the grayscale version is `42, 0.006, 296.813`.

A 20% lighter version of the original color is `64, 50.255, 288.274`, and `24, 49.365, 289.746` is the 20% darker color. If you saturate the color by 10%, you get `39, 58.668, 290.948`, and if you desaturate by 10%, it is `49, 41.103, 285.264`.

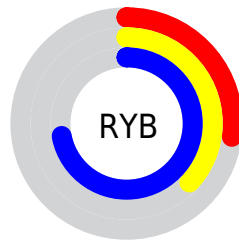
Distribution



Red (27%)

Green (39%)

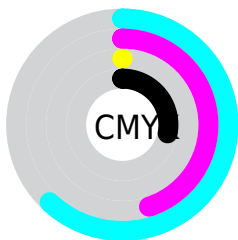
Blue (72%)



Red (27%)

Yellow (37%)

Blue (72%)

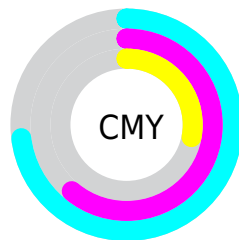


Cyan (62%)

Magenta (45%)

Yellow (0%)

Black (28%)



Cyan (73%)

Magenta (61%)

Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 49.750, 287.948 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 44, 49.750, 287.948 by changing the saturation by 10% instead.

 44, 49.750,
287.948

 44, 49.750,
287.948

 100, 49.750,
287.948

 34, 49.750,
287.948

 64, 49.750,
287.948


 24, 49.750,
287.948

 74, 49.750,
287.948

 14, 49.750,
287.948

 84, 49.750,
287.948

 4, 49.750, 287.948

 94, 49.750,
287.948

 0, 49.750, 287.948

 44, 49.750,

 44, 49.750,

287.948

■ 39, 58.668,
290.948

■ 35, 67.799,
294.171

■ 31, 76.933,
297.443

■ 28, 84.191,
299.935

287.948

■ 49, 41.103,
285.264

■ 54, 32.718,
282.918

■ 59, 24.568,
280.895

■ 64, 16.628,
279.162

■ 69, 8.879, 277.683

■ 74, 1.309, 276.523

■ 79, 6.092, 95.249

■ 83, 13.329, 94.307

■ 88, 20.407, 93.475

Harmonies

Complementary

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



44, 49.750, 287.948



64, 46.825, 88.304

Rectangle

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



44, 49.750, 287.948



44, 49.750, 337.948



44, 49.750, 107.948



44, 49.750, 157.948

Sweetspot

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



44, 49.750, 287.949



82, 17.888, 278.780



68, 39.686, 171.444



42, 12.452, 279.230



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



44, 49.750, 287.949



49, 75.082, 292.052



38, 68.646, 304.956



36, 4.285, 277.363



24, 73.742, 299.532



2, 12.485, 280.869

Inverse Universe

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



46, 48.763, 7.981



55, 70.202, 12.344



70, 58.697, 115.642



36, 4.250, 359.216



32, 61.392, 23.329



2, 11.092, 3.701

Previews

White Background



This preview shows how the CIE LCh color 44, 49.750, 287.948 looks on a white background.

Color Contrast Check

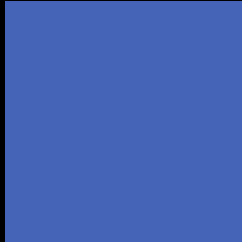
Large Text (above 18pt) WCAG AA ✓ Pass

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 44, 49.750, 287.948 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

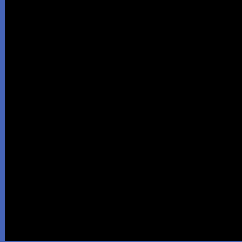
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 49.750, 287.948

Background



This preview shows how black text looks on a background with the CIELCh color 44, 49.750, 287.948.



This preview shows how white text looks on a background with the CIELCh color 44, 49.750, 287.948.

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

44, 49.750, 287.948

Protanopia

44, 49.841, 286.470

Deuteranopia

44, 47.228, 278.313



Tritanopia
44, 22.677, 211.000

Trichromacy



Original Color
44, 49.750, 287.948

Protanomaly
44, 49.786, 286.920

Deuteranomaly
44, 48.008, 281.517

Tritanomaly
44, 26.326, 254.086

Monochromacy



Original Color
44, 49.750, 287.948

Achromatopsia
43, 0.006, 296.813

Achromatomaly
43, 18.343, 280.464

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 49.750, 287.948 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(70, 100, 183)` looks like.

```
.text, #text, p{  
    color:rgb(70, 100, 183)  
}
```

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(70, 100, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 100, 183) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 49.750, 287.948 is called "border". The border property can be set on classes, ids or directly on the HTML element.

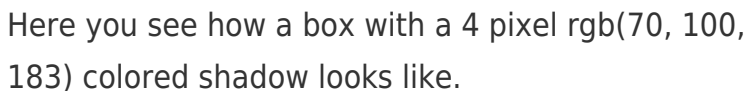
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(70, 100, 183) }
```

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

```
.border{ border-color:rgb(70, 100, 183) }
```

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



Here you see how a box with a 4 pixel `rgb(70, 100, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(70, 100, 183); -webkit-box-shadow:4px 4px 4px 4px rgb(70, 100, 183); box-shadow:4px 4px 4px 4px rgb(70, 100, 183) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 49.750, 287.948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 100, 183) }
```

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

```
.background{ background-color: rgb(70, 100,  
183) }
```

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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