

Converting Colors

CIELCh(48, 20.739, 295.870)

Have a look what the booklet for
CIELCh(48, 20.739, 295.870)
contains.

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Color

CIELCh(48, 20.739, 295.870)

Conversions

Conversions Part 1

Format	Color
Hex	716E91
RGB	113, 110, 145
RGB Percent	44%, 43%, 57%
CMY	0.5558, 0.5675, 0.4302
CMYK	0.22, 0.24, 0.00, 0.43
HSL	245°, 14%, 50%
HSV	245°, 24%, 57%
XYZ	17.5856, 16.7945, 29.2210
YIQ	114.8870, -9.4470, 11.5210

Conversions

Conversions Part 2

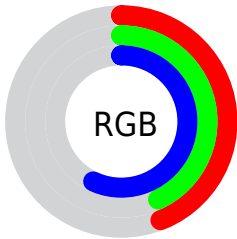
Format	Color
R_{YB}	113, 110, 145
Decimal	7433873
CIE Lab	48.00, 9.05, -18.66
CIE LCh	48, 20.739, 295.870
Yxy	16.7945, 0.2765, 0.2641
Android (android.graphics.Color)	4285623953 (0xFF716E91)
YUV	114.8870, 14.8457, -1.6549
Hunter-Lab	40.9810, 4.8802, -13.5892

Details

The CIELCh color $[48, 20.739, 295.870]$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $[59, 19.641, 111.593]$, and the grayscale version is $[48, 0.006, 296.813]$.

A 20% lighter version of the original color is $[68, 20.468, 295.142]$, and $[28, 20.116, 295.010]$ is the 20% darker color. If you saturate the color by 10%, you get $[43, 29.938, 297.102]$, and if you desaturate by 10%, it is $[53, 11.896, 294.805]$.

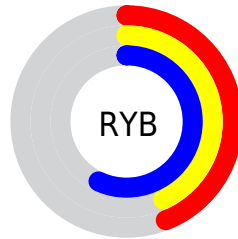
Distribution



Red (44%)

Green (43%)

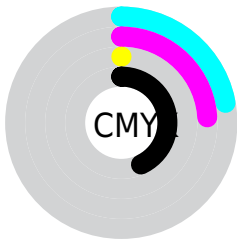
Blue (57%)



Red (44%)

Yellow (43%)

Blue (57%)

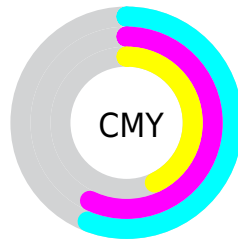


Cyan (22%)

Magenta (24%)

Yellow (0%)

Black (43%)



Cyan (56%)

Magenta (57%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 20.739, 295.870 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, 20.739, 295.870 by changing the saturation by 10% instead.

■ 48, 20.739,
295.870

■ 48, 20.739,
295.870

■ 100, 20.739,
295.870

■ 38, 20.739,
295.870

■ 68, 20.739,
295.870

■ 28, 20.739,
295.870

■ 78, 20.739,
295.870

■ 18, 20.739,
295.870

■ 88, 20.739,
295.870

■ 8, 20.739, 295.870

■ 98, 20.739,
295.870

■ 0, 20.739, 295.870

■ 48, 20.739,

■ 48, 20.739,

295.870

43, 29.938,
297.102

38, 39.496,
298.514

33, 49.362,
300.095

28, 59.369,
301.795

24, 69.118,
303.500

20, 77.813,
305.003

17, 84.282,
306.042

16, 87.513,
306.630

295.870

53, 11.896,
294.805

58, 3.397, 293.895

63, 4.781, 113.098

68, 12.661,
112.428

73, 20.263,
111.851

78, 27.605,
111.353

83, 34.706,
110.923

88, 41.580,
110.551

 93, 48.242,
110.228

Harmonies

Complementary

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



48, 20.739, 295.870



59, 19.641, 111.593

Rectangle

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



48, 20.739, 295.870



48, 20.739, 345.870



48, 20.739, 115.870



48, 20.739, 165.870

Sweetspot

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



48, 20.738, 295.869



72, 7.216, 294.156



57, 11.726, 206.556



37, 4.678, 294.199



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



48, 20.738, 295.869



58, 31.229, 296.526



50, 22.012, 312.954



28, 4.654, 294.337



15, 82.990, 306.658



0, 3.093, 293.551

Inverse Universe

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



51, 23.008, 328.186



63, 34.236, 328.498



58, 21.448, 130.882



28, 5.289, 327.330



31, 67.524, 331.868



1, 3.552, 326.843

Previews

White Background



This preview shows how the CIELCh color 48, 20.739, 295.870 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, 20.739, 295.870 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

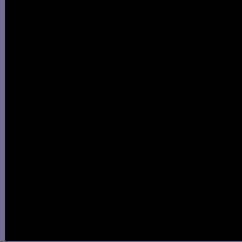
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 20.739, 295.870

Background



This preview shows how black text looks on a background with the CIELCh color 48, 20.739, 295.870.



This preview shows how white text looks on a background with the CIELCh color 48, 20.739, 295.870.

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, 20.739, 295.870

Protanopia

48, 20.154, 284.804

Deuteranopia

48, 19.472, 289.583



Tritanopia
48, 5.615, 270.659

Trichromacy



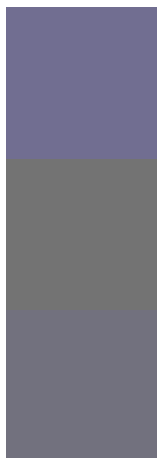
Original Color
48, 20.739, 295.870

Protanomaly
48, 20.072, 288.761

Deuteranomaly
48, 20.079, 292.813

Tritanomaly
48, 10.631, 287.509

Monochromacy



Original Color
48, 20.739, 295.870

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 7.687, 294.097

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 20.739, 295.870 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(113, 110, 145)` looks like.

```
.text, #text, p{  
    color:rgb(113, 110, 145)  
}
```

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(113, 110, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 110, 145) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 20.739, 295.870 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(113, 110, 145) }
```

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

```
.border{ border-color:rgb(113, 110, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 110, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 110, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 110, 145);  
box-shadow:4px 4px 4px 4px rgb(113, 110,  
145) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 20.739, 295.870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 110, 145) }
```

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

```
.background{ background-color: rgb(113,  
110, 145) }
```

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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