

Converting Colors

CIELCh(48, 30.217, 291.197)

Have a look what the booklet for
CIELCh(48, 30.217, 291.197)
contains.

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Color

CIELCh(48, 30.092, 290.932)

Conversions

Conversions Part 1

Format	Color
Hex	696EA1
RGB	105, 110, 161
RGB Percent	41%, 43%, 63%
CMY	0.5874, 0.5678, 0.3677
CMYK	0.35, 0.32, 0.00, 0.37
HSL	235°, 23%, 52%
HSV	235°, 35%, 63%
XYZ	17.9025, 16.7945, 36.1208
YIQ	114.3190, -19.3510, 14.8010

Conversions

Conversions Part 2

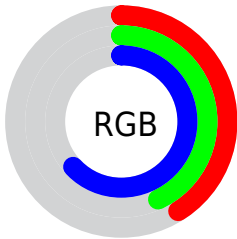
Format	Color
R_{YB}	105, 110, 161
Decimal	6909601
CIE _{Lab}	48.00, 10.75, -28.11
CIE _{LCh}	48, 30.092, 290.932
Yxy	16.7945, 0.2528, 0.2372
Android (android.graphics.Color)	4285099681 (0xFF696EA1)
YUV	114.3190, 23.0137, -8.1728
Hunter-Lab	40.9810, 6.2608, -23.5717

Details

The CIELCh color `48, 30.092, 290.932` is a dark color, and the websafe version is hex `666699`. A complement of this color would be `64, 28.097, 102.738`, and the grayscale version is `48, 0.006, 296.813`.

A 20% lighter version of the original color is `68, 30.342, 291.359`, and `28, 29.749, 290.700` is the 20% darker color. If you saturate the color by 10%, you get `43, 39.518, 292.780`, and if you desaturate by 10%, it is `53, 21.027, 289.342`.

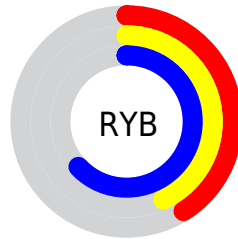
Distribution



Red (41%)

Green (43%)

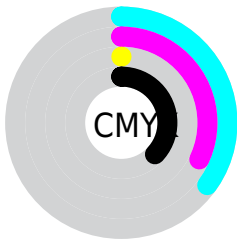
Blue (63%)



Red (41%)

Yellow (43%)

Blue (63%)

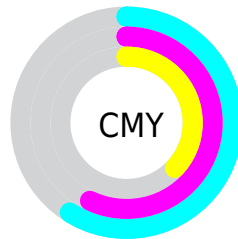


Cyan (35%)

Magenta (32%)

Yellow (0%)

Black (37%)



Cyan (59%)


Magenta (57%)


Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 30.092, 290.932 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, 30.092, 290.932 by changing the saturation by 10% instead.


 48, 30.092,
290.932


 48, 30.092,
290.932


 100, 30.092,
290.932


 38, 30.092,
290.932

 68, 30.092,
290.932


 28, 30.092,
290.932

 78, 30.092,
290.932

 18, 30.092,
290.932

 88, 30.092,
290.932

 8, 30.092, 290.932

 98, 30.092,
290.932

 0, 30.092, 290.932

 48, 30.092,

 48, 30.092,

290.932

43, 39.518,
292.780

38, 49.309,
294.895

33, 59.398,
297.246

28, 69.550,
299.732

24, 79.197,
302.150

21, 87.318,
304.210

20, 90.624,
304.984

290.932

53, 21.027,
289.342

59, 12.302,
287.985

64, 3.891, 286.838

69, 4.230, 105.801

74, 12.082,
104.959

79, 19.683,
104.225

85, 27.048,
103.586

90, 34.191,
103.029

 95, 41.124,
102.540

Harmonies

Complementary

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



48, 30.092, 290.932



64, 28.097, 102.738

Rectangle

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



48, 30.092, 290.932



48, 30.092, 340.932



48, 30.092, 110.932



48, 30.092, 160.932

Sweetspot

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



48, 30.091, 290.932



77, 10.234, 287.436



62, 19.853, 188.507



40, 6.984, 287.590



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



48, 30.091, 290.932



57, 45.670, 292.397



49, 34.005, 307.467



32, 4.724, 287.331



17, 83.572, 304.841



1, 7.313, 286.720

Inverse Universe

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



51, 24.020, 15.668



61, 36.644, 16.990



63, 32.039, 123.774



32, 3.649, 12.701



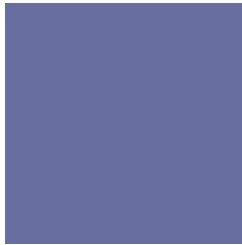
30, 64.985, 35.516



1, 5.510, 12.718

Previews

White Background



This preview shows how the CIE LCh color 48, 30.092, 290.932 looks on a white background.

Color Contrast Check

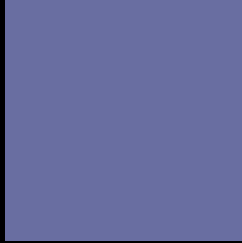
Large Text (above 18pt) WCAG AA ✓ Pass

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, 30.092, 290.932 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

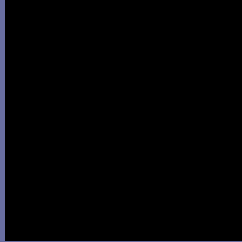
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 30.092, 290.932

Background



This preview shows how black text looks on a background with the CIELCh color 48, 30.092, 290.932.



This preview shows how white text looks on a background with the CIELCh color 48, 30.092, 290.932.

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

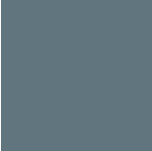
48, 30.092, 290.932

Protanopia

48, 30.219, 285.510

Deuteranopia

48, 28.539, 283.394



Tritanopia
48, 9.029, 234.936

Trichromacy



Original Color
48, 30.092, 290.932

Protanomaly
48, 30.140, 287.884

Deuteranomaly
48, 28.999, 286.167

Tritanomaly
48, 14.955, 271.000

Monochromacy



Original Color
48, 30.092, 290.932

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 11.218, 287.814

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 30.092, 290.932 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(105, 110, 161)` looks like.

```
.text, #text, p{  
    color:rgb(105, 110, 161)  
}
```

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(105, 110, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 110, 161) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 30.092, 290.932 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(105, 110, 161) }
```

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

```
.border{ border-color:rgb(105, 110, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 110, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 110, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 110, 161);  
box-shadow:4px 4px 4px 4px rgb(105, 110,  
161) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 30.092, 290.932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 110, 161) }
```

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

```
.background{ background-color: rgb(105,  
110, 161) }
```

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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