

Converting Colors

CIELCh(48, 32.594, 272.685)

Have a look what the booklet for
CIELCh(48, 32.594, 272.685)
contains.

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Color

CIELCh(48, 32.729, 272.921)

Conversions

Conversions Part 1

Format	Color
Hex	4B74A9
RGB	75, 116, 169
RGB Percent	29%, 45%, 66%
CMY	0.7067, 0.5458, 0.3380
CMYK	0.56, 0.31, 0.00, 0.34
HSL	214°, 39%, 48%
HSV	214°, 56%, 66%
XYZ	16.2539, 16.7945, 39.8257
YIQ	109.7830, -41.4490, 7.7910

Conversions

Conversions Part 2

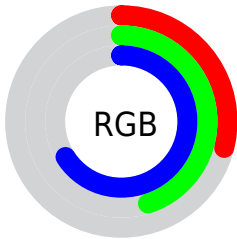
Format	Color
R _Y B	75, 104, 169
Decimal	4945065
CIE Lab	48.00, 1.67, -32.69
CIE LCh	48, 32.729, 272.921
Yxy	16.7945, 0.2230, 0.2305
Android (android.graphics.Color)	4283135145 (0xFF4B74A9)
YUV	109.7830, 29.1940, -30.5047
Hunter-Lab	40.9810, -0.9201, -28.9318

Details

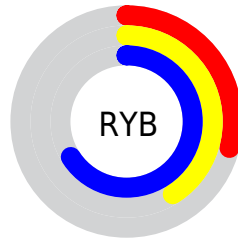
The CIELCh color `48, 32.729, 272.921` is a dark color, and the websafe version is hex `336699`. A complement of this color would be `56, 35.915, 74.645`, and the grayscale version is `46, 0.006, 296.813`.

A 20% lighter version of the original color is `68, 32.869, 272.910`, and `28, 33.123, 273.596` is the 20% darker color. If you saturate the color by 10%, you get `44, 38.608, 276.086`, and if you desaturate by 10%, it is `52, 26.868, 270.185`.

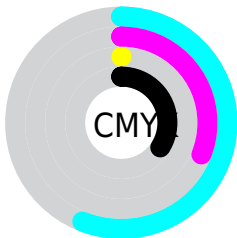
Distribution



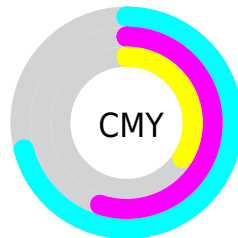
- Red (29%)
- Green (45%)
- Blue (66%)



- Red (29%)
- Yellow (41%)
- Blue (66%)



- Cyan (56%)
- Magenta (31%)
- Yellow (0%)
- Black (34%)





- Cyan (71%)
- Magenta (55%)
- Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 32.729, 272.921 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, 32.729, 272.921 by changing the saturation by 10% instead.


 48, 32.729,
272.921


 48, 32.729,
272.921


 100, 32.729,
272.921


 38, 32.729,
272.921

 68, 32.729,
272.921


 28, 32.729,
272.921

 78, 32.729,
272.921

 18, 32.729,
272.921

 88, 32.729,
272.921

 8, 32.729, 272.921

 98, 32.729,
272.921

 0, 32.729, 272.921

 48, 32.729,

 48, 32.729,

272.921

272.921

■ 44, 38.608,
276.086

■ 52, 26.868,
270.185

■ 41, 44.553,
279.670

■ 55, 21.003,
267.847

■ 38, 50.618,
283.605

■ 59, 15.125,
265.861

■ 35, 56.845,
287.731

■ 63, 9.238, 264.180

■ 33, 59.599,
289.405

■ 67, 3.350, 262.790

■ 71, 2.525, 81.359

■ 75, 8.375, 80.371

■ 79, 14.189, 79.460

■ 82, 19.958, 78.658

Harmonies

Complementary

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



48, 32.729, 272.921



56, 35.915, 74.645

Rectangle

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



48, 32.729, 272.921



48, 32.729, 322.921



48, 32.729, 92.921



48, 32.729, 142.921

Sweetspot

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



48, 32.728, 272.921



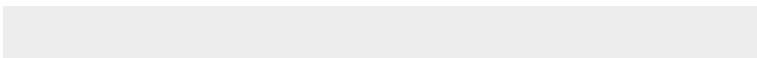
79, 12.387, 264.433



63, 40.388, 160.355



41, 8.273, 264.739



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



48, 32.728, 272.921



56, 48.735, 276.950



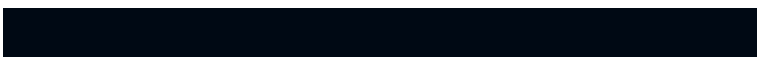
37, 57.686, 299.627



34, 3.324, 263.251



29, 53.469, 288.918



2, 6.429, 267.605

Inverse Universe

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



45, 43.337, 353.957



54, 62.376, 356.607



67, 49.355, 107.434



33, 4.346, 347.984



31, 56.247, 7.189



2, 7.531, 350.939

Previews

White Background



This preview shows how the CIELCh color 48, 32.729, 272.921 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, 32.729, 272.921 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

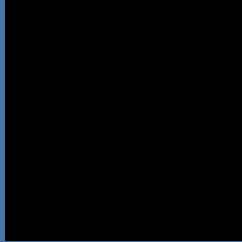
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

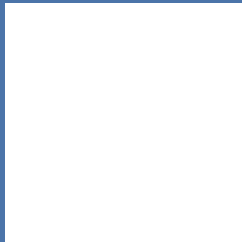
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 32.729, 272.921

Background



This preview shows how black text looks on a background with the CIELCh color 48, 32.729, 272.921.

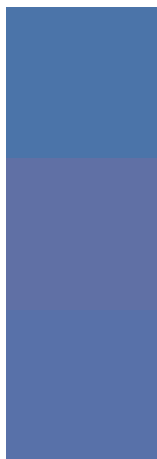


This preview shows how white text looks on a background with the CIELCh color 48, 32.729, 272.921.

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, 32.729, 272.921

Protanopia

48, 31.439, 284.949

Deuteranopia

48, 33.493, 281.364



Tritanopia
48, 20.550, 214.302

Trichromacy



Original Color
48, 32.729, 272.921

Protanomaly
48, 31.814, 280.267

Deuteranomaly
48, 33.221, 278.219

Tritanomaly
48, 22.066, 242.608

Monochromacy



Original Color
48, 32.729, 272.921

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 12.358, 265.333

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 32.729, 272.921 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(75, 116, 169)` looks like.

```
.text, #text, p{  
    color:rgb(75, 116, 169)  
}
```

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(75, 116, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 116, 169) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 32.729, 272.921 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(75, 116, 169) }
```

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

```
.border{ border-color:rgb(75, 116, 169) }
```

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

Here you see how a box with a 4 pixel rgb(75, 116, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 116, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 116, 169);  
box-shadow:4px 4px 4px 4px rgb(75, 116,  
169) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 32.729, 272.921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 116, 169) }
```

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

```
.background{ background-color: rgb(75, 116,  
169) }
```

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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