

Converting Colors

CIELCh(48, 20.089, 270.193)

Have a look what the booklet for
CIELCh(48, 20.089, 270.193)
contains.

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Color

CIELCh(48, 19.999, 270.714)

Conversions

Conversions Part 1

Format	Color
Hex	5D7393
RGB	93, 115, 147
RGB Percent	36%, 45%, 58%
CMY	0.6340, 0.5478, 0.4222
CMYK	0.37, 0.22, 0.00, 0.42
HSL	216°, 22%, 47%
HSV	216°, 37%, 58%
XYZ	16.0059, 16.7945, 30.1388
YIQ	112.0700, -23.3840, 5.2880

Conversions

Conversions Part 2

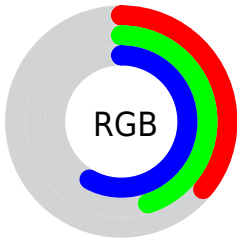
Format	Color
R _Y B	93, 109, 147
Decimal	6124435
CIE Lab	48.00, 0.25, -20.00
CIE LCh	48, 19.999, 270.714
Yxy	16.7945, 0.2543, 0.2668
Android (android.graphics.Color)	4284314515 (0xFF5D7393)
YUV	112.0700, 17.2205, -16.7244
Hunter-Lab	40.9810, -2.0002, -14.9171

Details

The CIELCh color $48, 19.999, 270.714$ is a dark color, and the websafe version is hex 336699 . A complement of this color would be $54, 20.913, 80.048$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 19.873, 270.387$, and $28, 19.884, 271.062$ is the 20% darker color. If you saturate the color by 10%, you get $45, 25.507, 273.020$, and if you desaturate by 10%, it is $52, 14.512, 268.743$.

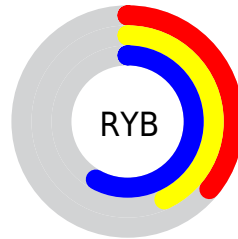
Distribution



Red (36%)

Green (45%)

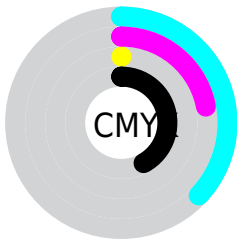
Blue (58%)



Red (36%)

Yellow (43%)

Blue (58%)

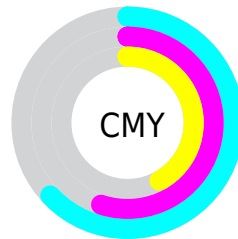


Cyan (37%)

Magenta (22%)

Yellow (0%)

Black (42%)



Cyan (63%)


Magenta (55%)

Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 19.999, 270.714 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, 19.999, 270.714 by changing the saturation by 10% instead.


 48, 19.999,
270.714


 48, 19.999,
270.714


 100, 19.999,
270.714


 38, 19.999,
270.714

 68, 19.999,
270.714


 28, 19.999,
270.714

 78, 19.999,
270.714


 18, 19.999,
270.714


 88, 19.999,
270.714

 8, 19.999, 270.714

 98, 19.999,
270.714

 0, 19.999, 270.714

 48, 19.999,

 48, 19.999,

270.714

270.714

■ 45, 25.507,
273.020

■ 52, 14.512,
268.743

■ 41, 31.051,
275.705

■ 55, 9.048, 267.066

■ 38, 36.655,
278.790

■ 59, 3.610, 265.661

■ 35, 42.357,
282.261

■ 62, 1.795, 84.223

■ 31, 48.194,
286.043

■ 66, 7.159, 83.248

■ 29, 54.184,
289.940

■ 69, 12.474, 82.327

■ 28, 56.226,
291.138

■ 73, 17.736, 81.513

■ 77, 22.937, 80.794

■ 80, 28.074, 80.153

Harmonies

Complementary

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



48, 19.999, 270.714



54, 20.913, 80.048

Rectangle

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



48, 19.999, 270.714



48, 19.999, 320.714



48, 19.999, 90.714



48, 19.999, 140.714

Sweetspot

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



48, 19.998, 270.713



73, 7.382, 266.267



57, 24.012, 164.831



38, 5.000, 266.438



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



48, 19.998, 270.713



58, 29.744, 272.587



42, 32.725, 297.376



29, 3.073, 265.990



26, 53.179, 290.874



1, 2.683, 264.756

Inverse Universe

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



46, 25.514, 352.801



56, 37.883, 353.988



60, 29.954, 110.467



29, 3.833, 349.722



29, 53.477, 9.608



1, 3.306, 348.967

Previews

White Background



This preview shows how the CIELCh color 48, 19.999, 270.714 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, 19.999, 270.714 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

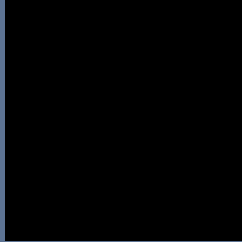
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

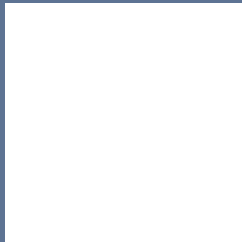
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 19.999, 270.714

Background



This preview shows how black text looks on a background with the CIELCh color 48, 19.999, 270.714.

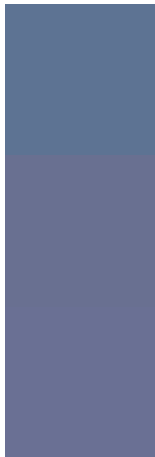


This preview shows how white text looks on a background with the CIELCh color 48, 19.999, 270.714.

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, 19.999, 270.714

Protanopia

48, 19.567, 285.491

Deuteranopia

48, 21.284, 287.306



Tritanopia
48, 11.937, 224.933

Trichromacy



Original Color
48, 19.999, 270.714

Protanomaly
48, 19.776, 280.542

Deuteranomaly
48, 20.917, 281.460

Tritanomaly
48, 13.584, 246.534

Monochromacy



Original Color
48, 19.999, 270.714

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 7.653, 267.592

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 19.999, 270.714 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(93, 115, 147)` looks like.

```
.text, #text, p{  
    color:rgb(93, 115, 147)  
}
```

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(93, 115, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 115, 147) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 19.999, 270.714 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(93, 115, 147) }
```

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

```
.border{ border-color:rgb(93, 115, 147) }
```

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

Here you see how a box with a 4 pixel rgb(93, 115, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 115, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 115, 147);  
box-shadow:4px 4px 4px 4px rgb(93, 115,  
147) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 19.999, 270.714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 115, 147) }
```

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

```
.background{ background-color: rgb(93, 115,  
147) }
```

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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