

Converting Colors

CIELCh(50, 31.041, 257.424)

Have a look what the booklet for
CIELCh(50, 31.041, 257.424)
contains.

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Color

CIELCh(50, 30.960, 257.396)

Conversions

Conversions Part 1

Format	Color
Hex	3A7DAA
RGB	58, 125, 170
RGB Percent	23%, 49%, 67%
CMY	0.7733, 0.5104, 0.3340
CMYK	0.66, 0.26, 0.00, 0.33
HSL	204°, 49%, 45%
HSV	204°, 66%, 67%
XYZ	16.2885, 18.4187, 40.6463
YIQ	110.0970, -54.3770, -0.2090

Conversions

Conversions Part 2

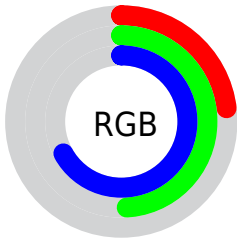
Format	Color
RYB	58, 100, 170
Decimal	3833258
CIELab	50.00, -6.76, -30.21
CIELCh	50, 30.960, 257.396
Yxy	18.4187, 0.2162, 0.2444
Android (android.graphics.Color)	4282023338 (0xFF3A7DAA)
YUV	110.0970, 29.5322, -45.6891
Hunter-Lab	42.9170, -7.3574, -26.1112

Details

The CIELCh color **50, 30.960, 257.396** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **50, 42.802, 57.902**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 30.953, 257.432**, and **31, 29.799, 263.575** is the 20% darker color. If you saturate the color by 10%, you get **47, 34.730, 261.186**, and if you desaturate by 10%, it is **53, 26.947, 254.184**.

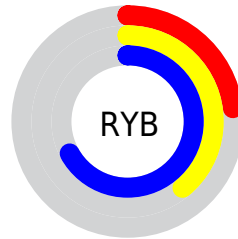
Distribution



Red (23%)

Green (49%)

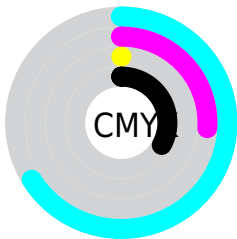
Blue (67%)



Red (23%)

Yellow (39%)

Blue (67%)

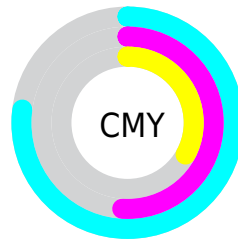


Cyan (66%)

Magenta (26%)

Yellow (0%)

Black (33%)



Cyan (77%)

Magenta (51%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 30.960, 257.396 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 50, 30.960, 257.396 by changing the saturation by 10% instead.

■ 50, 30.960,
257.396

■ 50, 30.960,
257.396

■ 100, 30.960,
257.396

■ 40, 30.960,
257.396

■ 70, 30.960,
257.396

■ 30, 30.960,
257.396

■ 80, 30.960,
257.396

■ 20, 30.960,
257.396

■ 90, 30.960,
257.396

■ 10, 30.960,
257.396

■ 0, 30.960, 257.396

■ 50, 30.960,
257.396

■ 50, 30.960,
257.396

47, 34.730,
261.186

53, 26.947,
254.184

45, 38.334,
265.541

56, 22.663,
251.507

43, 41.889,
270.341

58, 18.111,
249.298

42, 43.378,
272.227

61, 13.317,
247.485

65, 8.316, 246.004

68, 3.148, 244.845

71, 2.149, 63.512

74, 7.543, 62.787

77, 13.002, 62.090

Harmonies

Complementary

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



50, 30.960, 257.396



50, 42.802, 57.902

Rectangle

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



50, 30.960, 257.396



50, 30.960, 307.396



50, 30.960, 77.396



50, 30.960, 127.396

Sweetspot

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



50, 30.959, 257.396



81, 12.868, 246.619



62, 53.505, 151.360



42, 8.811, 247.030



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



50, 30.959, 257.396



60, 44.378, 263.071



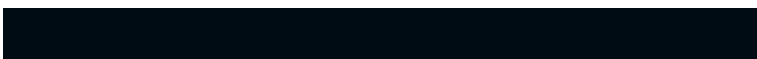
34, 62.487, 297.184



34, 2.955, 245.186



36, 38.835, 271.603



3, 5.682, 253.136

Inverse Universe

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



43, 54.160, 345.364



52, 74.542, 347.928



65, 52.807, 98.947



33, 4.847, 339.357



32, 58.362, 352.438



2, 8.298, 342.542

Previews

White Background



This preview shows how the CIE LCh color 50, 30.960, 257.396 looks on a white 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

Black Background



This preview shows how the CIELCh color 50, 30.960, 257.396 looks on a black 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

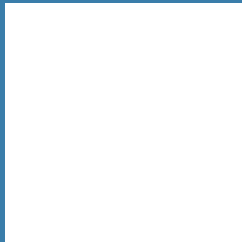
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 30.960, 257.396

Background



This preview shows how black text looks on a background with the CIELCh color 50, 30.960, 257.396.

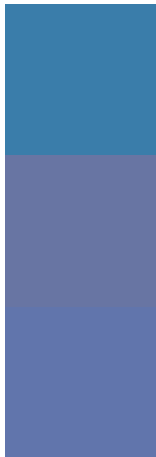


This preview shows how white text looks on a background with the CIELCh color 50, 30.960, 257.396.

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

50, 30.960, 257.396

Protanopia

50, 27.110, 284.497

Deuteranopia

50, 32.513, 283.206



Tritanopia
50, 25.826, 211.627

Trichromacy



Original Color
50, 30.960, 257.396

Protanomaly
50, 27.765, 271.832

Deuteranomaly
50, 31.240, 273.227

Tritanomaly
50, 25.714, 229.424

Monochromacy



Original Color
50, 30.960, 257.396

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 12.981, 249.917

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 30.960, 257.396 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(58, 125, 170)` looks like.

```
.text, #text, p{  
    color:rgb(58, 125, 170)  
}
```

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(58, 125, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 125, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 30.960, 257.396 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(58, 125, 170) }
```

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

```
.border{ border-color:rgb(58, 125, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 125, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 125, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 125, 170);  
box-shadow:4px 4px 4px 4px rgb(58, 125,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 30.960, 257.396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 125, 170) }
```

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

```
.background{ background-color: rgb(58, 125,  
170) }
```

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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