

Converting Colors

CIELCh(50, 30.127, 253.561)

Have a look what the booklet for
CIELCh(50, 30.127, 253.561)
contains.

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Color

CIELCh(50, 30.226, 253.260)

Conversions

Conversions Part 1

Format	Color
Hex	367EA8
RGB	54, 126, 168
RGB Percent	21%, 49%, 66%
CMY	0.7900, 0.5072, 0.3426
CMYK	0.68, 0.25, 0.00, 0.34
HSL	202°, 52%, 43%
HSV	202°, 68%, 66%
XYZ	15.9478, 18.4187, 39.5813
YIQ	109.2600, -56.3940, -2.2020

Conversions

Conversions Part 2

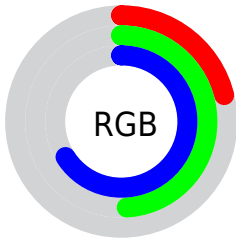
Format	Color
R_{YB}	54, 98, 168
Decimal	3571368
CIE _{Lab}	50.00, -8.71, -28.95
CIE _{LCh}	50, 30.226, 253.260
Yxy	18.4187, 0.2157, 0.2491
Android (android.graphics.Color)	4281761448 (0xFF367EA8)
YUV	109.2600, 28.9588, -48.4630
Hunter-Lab	42.9170, -8.7745, -24.6400




Details

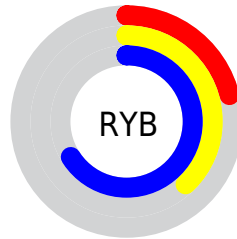
The CIELCh color **50, 30.226, 253.260** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **48, 44.254, 54.685**, and the grayscale version is **46, 0.006, 296.813**.




A 20% lighter version of the original color is **70, 30.014, 252.374**, and **31, 28.424, 260.232** is the 20% darker color. If you saturate the color by 10%, you get **48, 33.514, 257.089**, and if you desaturate by 10%, it is **52, 26.636, 250.040**.

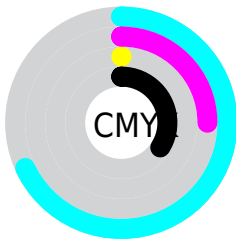
Distribution







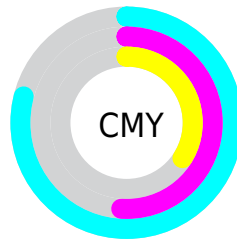
-  Red (21%)
-  Green (49%)
-  Blue (66%)






-  Red (21%)
-  Yellow (38%)
-  Blue (66%)



-  Cyan (68%)
-  Magenta (25%)
-  Yellow (0%)
-  Black (34%)





-  Cyan (79%)
-  Magenta (51%)
-  Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 30.226, 253.260 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, 30.226, 253.260 by changing the saturation by 10% instead.


 50, 30.226,
253.260


 50, 30.226,
253.260


 100, 30.226,
253.260


 40, 30.226,
253.260


 70, 30.226,
253.260

 30, 30.226,
253.260


 80, 30.226,
253.260


 20, 30.226,
253.260

 90, 30.226,
253.260

 10, 30.226,
253.260

 0, 30.226, 253.260

 50, 30.226,
253.260

 50, 30.226,
253.260

■ 48, 33.514,
257.089

■ 52, 26.636,
250.040

■ 45, 36.581,
261.520

■ 55, 22.717,
247.378

■ 43, 39.575,
266.369

■ 58, 18.473,
245.201

■ 43, 40.183,
267.279

■ 61, 13.934,
243.431

■ 63, 9.144, 242.001

■ 66, 4.147, 240.875

■ 69, 1.013, 59.408

■ 72, 6.297, 58.952

■ 75, 11.671, 58.325

Harmonies

Complementary

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



50, 30.226, 253.260



48, 44.254, 54.685

Rectangle

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



50, 30.226, 253.260



50, 30.226, 303.260



50, 30.226, 73.260



50, 30.226, 123.260

Sweetspot

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



50, 30.225, 253.260



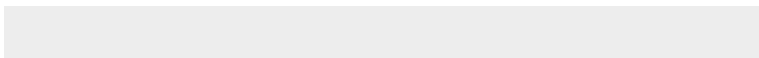
79, 12.436, 242.304



61, 55.889, 149.628



41, 8.509, 242.679



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



50, 30.225, 253.260



60, 42.620, 259.416



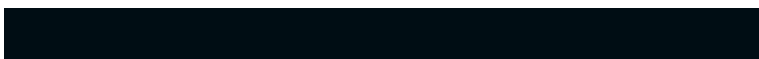
34, 61.454, 296.331



34, 2.919, 240.996



38, 36.389, 266.699



3, 5.569, 249.349

Inverse Universe

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



42, 55.865, 343.690



50, 75.701, 346.251



63, 52.261, 96.729



33, 4.964, 337.801



32, 59.319, 349.677



2, 8.496, 340.843

Previews

White Background



This preview shows how the CIE LCh color 50, 30.226, 253.260 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, 30.226, 253.260 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

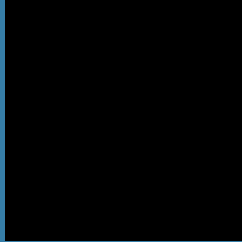
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

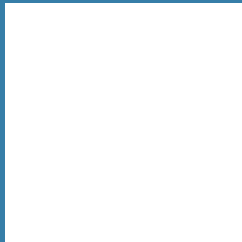
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 30.226, 253.260

Background



This preview shows how black text looks on a background with the CIELCh color 50, 30.226, 253.260.

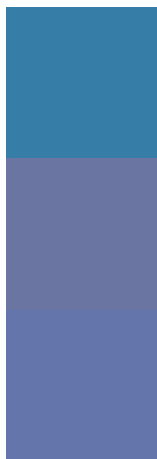


This preview shows how white text looks on a background with the CIELCh color 50, 30.226, 253.260.

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, 30.226, 253.260

Protanopia

50, 25.890, 285.283

Deuteranopia

50, 31.296, 283.633



Tritanopia
50, 26.590, 209.789

Trichromacy



Original Color
50, 30.226, 253.260

Protanomaly
50, 26.721, 270.598

Deuteranomaly
50, 30.273, 271.679

Tritanomaly
50, 26.260, 227.067

Monochromacy



Original Color
50, 30.226, 253.260

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 12.638, 243.602

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 30.226, 253.260 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(54, 126, 168)` looks like.

```
.text, #text, p{  
    color:rgb(54, 126, 168)  
}
```

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(54, 126, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 126, 168) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 30.226, 253.260 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(54, 126, 168) }
```

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

```
.border{ border-color:rgb(54, 126, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 126, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 126, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 126, 168);  
box-shadow:4px 4px 4px 4px rgb(54, 126,  
168) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 30.226, 253.260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 126, 168) }
```

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

```
.background{ background-color: rgb(54, 126,  
168) }
```

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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