

Converting Colors

CIELCh(60, 12.790, 227.807)

Have a look what the booklet for
CIELCh(60, 12.790, 227.807)
contains.

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Color

CIELCh(60, 12.965, 227.302)

Conversions

Conversions Part 1

Format	Color
Hex	7596A1
RGB	117, 150, 161
RGB Percent	46%, 59%, 63%
CMY	0.5416, 0.4122, 0.3690
CMYK	0.27, 0.07, 0.00, 0.37
HSL	195°, 19%, 54%
HSV	195°, 27%, 63%
XYZ	24.6354, 28.1233, 37.7992
YIQ	141.3870, -23.1990, -3.5750

Conversions

Conversions Part 2

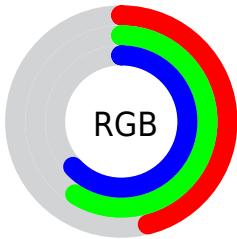
Format	Color
R_{YB}	117, 136, 161
Decimal	7706273
CIE _{Lab}	60.00, -8.79, -9.53
CIE _{LCh}	60, 12.965, 227.302
Yxy	28.1233, 0.2720, 0.3106
Android (android.graphics.Color)	4285896353 (0xFF7596A1)
YUV	141.3870, 9.6692, -21.3874
Hunter-Lab	53.0314, -9.8840, -5.1381

Details

The CIELCh color `60, 12.965, 227.302` is a dark color, and the websafe version is hex `669999`. A complement of this color would be `56, 15.420, 44.437`, and the grayscale version is `59, 0.008, 296.813`.

A 20% lighter version of the original color is `80, 13.021, 228.246`, and `40, 12.865, 226.692` is the 20% darker color. If you saturate the color by 10%, you get `58, 17.107, 228.396`, and if you desaturate by 10%, it is `62, 8.465, 226.468`.

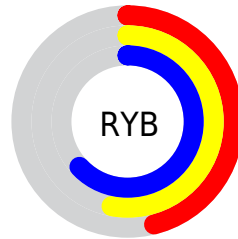
Distribution



Red (46%)

Green (59%)

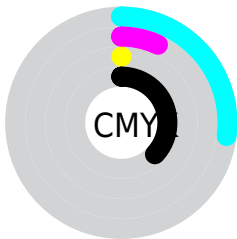
Blue (63%)



Red (46%)

Yellow (53%)

Blue (63%)

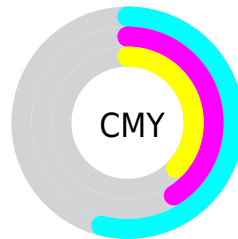


Cyan (27%)

Magenta (7%)

Yellow (0%)

Black (37%)



Cyan (54%)


Magenta (41%)


Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 60, 12.965, 227.302 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 60, 12.965, 227.302 by changing the saturation by 10% instead.


 60, 12.965,
227.302


 60, 12.965,
227.302


 100, 12.965,
227.302


 50, 12.965,
227.302


 80, 12.965,
227.302

 40, 12.965,
227.302

 90, 12.965,
227.302


 30, 12.965,
227.302

 20, 12.965,
227.302

 10, 12.965,
227.302

 0, 12.965, 227.302

 60, 12.965,

 60, 12.965,

227.302

227.302

■ 58, 17.107,
228.396

■ 62, 8.465, 226.468

■ 56, 20.826,
229.825

■ 64, 3.673, 225.896

■ 67, 1.350, 44.962

■ 54, 24.062,
231.659

■ 69, 6.552, 44.873

■ 52, 26.774,
233.985

■ 72, 11.886, 44.650

■ 74, 17.316, 44.485

■ 51, 28.954,
236.888

■ 77, 22.812, 44.375

■ 49, 30.643,
240.438

■ 79, 28.347, 44.308

■ 48, 31.972,
244.594

■ 81, 31.346, 46.102

■ 47, 32.329,
245.699

Harmonies

Complementary

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



60, 12.965, 227.302



56, 15.420, 44.437

Rectangle

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



60, 12.965, 227.302



60, 12.965, 277.302



60, 12.965, 47.302



60, 12.965, 97.302

Sweetspot

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



60, 12.965, 227.297



82, 4.943, 225.929



62, 25.468, 149.696



43, 3.494, 225.996



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



60, 12.965, 227.297



75, 18.967, 227.951



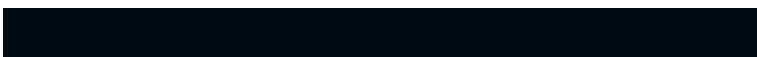
54, 18.921, 279.971



33, 2.849, 225.981



43, 29.942, 245.261



3, 4.478, 232.023

Inverse Universe

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



55, 25.326, 334.144



67, 37.769, 334.598



62, 18.657, 92.798



32, 5.264, 332.896



32, 62.999, 341.042



1, 7.829, 334.431

Previews

White Background



This preview shows how the CIELCh color 60, 12.965, 227.302 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 60, 12.965, 227.302 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

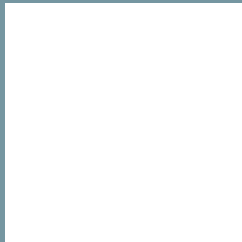
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 60, 12.965, 227.302

Background



This preview shows how black text looks on a background with the CIELCh color 60, 12.965, 227.302.

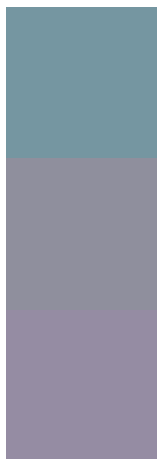


This preview shows how white text looks on a background with the CIELCh color 60, 12.965, 227.302.

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
60, 12.965, 227.302

Protanopia
60, 7.920, 291.077

Deuteranopia
60, 13.499, 305.907



Tritanopia
60, 13.192, 229.613

Trichromacy



Original Color
60, 12.965, 227.302

Protanomaly
60, 7.988, 257.484

Deuteranomaly
60, 10.432, 277.177

Tritanomaly
60, 13.192, 229.613

Monochromacy



Original Color
60, 12.965, 227.302

Achromatopsia
59, 0.008, 296.813

Achromatomaly
59, 5.010, 226.061

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 12.965, 227.302 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(117, 150, 161)` looks like.

```
.text, #text, p{  
    color:rgb(117, 150, 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(117, 150, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 150, 161) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 12.965, 227.302 is called "border". The border property can be set on classes, ids or directly on the HTML element.

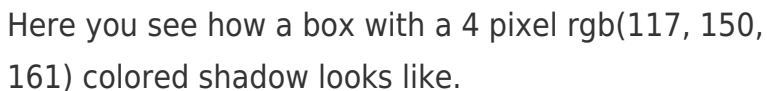
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 150, 161) }
```

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

```
.border{ border-color:rgb(117, 150, 161) }
```

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



Here you see how a box with a 4 pixel `rgb(117, 150, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 150, 161); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 150, 161); box-shadow:4px 4px 4px 4px rgb(117, 150, 161) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 12.965, 227.302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 150, 161) }
```

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

```
.background{ background-color: rgb(117,  
150, 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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