Converting Colors

CIELCh(61, 31.587, 221.908)

Have a look what the booklet for CIELCh(61, 31.587, 221.908) contains.

Color

CIELCh(61, 31.578, 222.833)

Conversions

Conversions Part 1

Format	Color
Hex	2DA0B8
RGB	45, 160, 184
RGB Percent	18%, 63%, 72%
CMY	0.8222, 0.3717, 0.2776
CMYK	0.75, 0.13, 0.00, 0.28
HSL	190°, 60%, 45%
HSV	190°, 75%, 72%
XYZ	22.3771, 29.2481, 49.9292
YIQ	128.3510, -76.2440, -16.9160

Conversions

Conversions Part 2

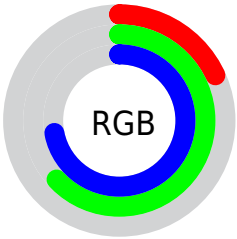
Format	Color
RYB	45, 108, 184
Decimal	2990264
CIELab	61.00, -23.16, -21.47
CIELCh	61, 31.578, 222.833
Yxy	29.2481, 0.2203, 0.2880
Android (android.graphics.Color)	4281180344 (0xFF2DA0B8)
YUV	128.3510, 27.4350, -73.0988
Hunter-Lab	54.0815, -20.7855, -16.8806

Details

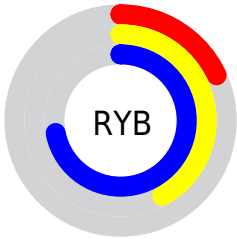
The CIELCh color 61, 31.578, 222.833 is a dark color, and the websafe version is hex 339999. A complement of this color would be 45, 59.095, 40.197, and the grayscale version is 54, 0.007, 296.813.

A 20% lighter version of the original color is 81, 31.596, 222.731, and 42, 26.568, 229.145 is the 20% darker color. If you saturate the color by 10%, you get 60, 33.026, 225.219, and if you desaturate by 10%, it is 62, 29.412, 220.952.

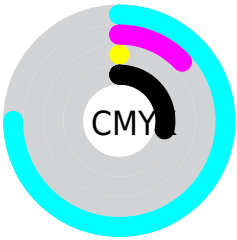
Distribution



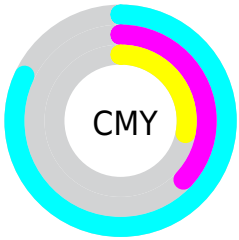
- Red (18%)
- Green (63%)
- Blue (72%)



- Red (18%)
- Yellow (42%)
- Blue (72%)



- Cyan (75%)
- Magenta (13%)
- Yellow (0%)
- Black (28%)



- Cyan (82%)
- Magenta (37%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 61, 31.578, 222.833 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 61, 31.578, 222.833 by changing the saturation by 10% instead.

61, 31.578, 222.833

100, 31.578, 222.833

81, 31.578, 222.833

91, 31.578, 222.833

61, 31.578, 222.833

51, 31.578, 222.833

41, 31.578, 222.833

31, 31.578, 222.833

21, 31.578, 222.833

11, 31.578, 222.833

1, 31.578, 222.833

0, 31.578, 222.833

61, 31.578, 222.833

60, 33.026, 225.219

59, 33.840, 228.163

58, 34.124, 229.619

61, 31.578, 222.833

62, 29.412, 220.952

64, 26.515, 219.504

66, 22.922, 218.418

67, 18.700, 217.628

69, 13.936, 217.078

71, 8.717, 216.728

74, 3.134, 216.609

76, 2.737, 36.146

78, 8.824, 36.256

Harmonies

Complementary

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

61, 31.578, 222.833

45, 59.095, 40.197

Rectangle

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

61, 31.578, 222.833

61, 31.578, 272.833

61, 31.578, 42.833

61, 31.578, 92.833

Sweetspot

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

61, 31.577, 222.832

89, 15.743, 216.992

66, 75.987, 141.509

46, 10.756, 217.151

97, 0.011, 296.813

50, 0.007, 296.813

Same Dimension

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

61, 31.577, 222.832

75, 40.920, 226.951

41, 56.250, 287.885

38, 3.254, 216.613

49, 30.109, 229.133

6, 8.620, 224.773

Inverse Universe

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

45, 72.605, 334.537

55, 95.238, 335.803

60, 54.333, 80.712

36, 6.131, 330.131

35, 69.940, 336.418

3, 15.795, 332.509

Previews

White Background

This preview shows how the CIELCh color 61, 31.578, 222.833 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

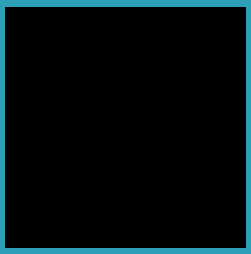
This preview shows how the CIELCh color 61, 31.578, 222.833 looks on a black background.

Color Contrast Check

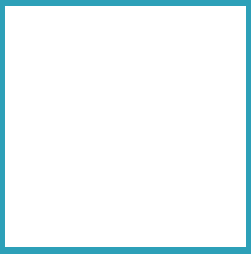
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✕ Fail

If you want to check with other color combinations, try the Color Contrast Checker.

CIELCh 61, 31.578, 222.833 Background



This preview shows how black text looks on a background with the CIELCh color 61, 31.578, 222.833.



This preview shows how white text looks on a background with the CIELCh color 61, 31.578, 222.833.

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

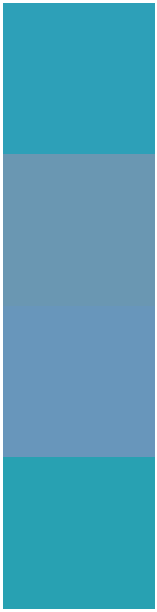
Original Color
61, 31.578, 222.833

Protanopia
61, 16.408, 285.808

Deuteranopia
61, 24.837, 288.230

Tritanopia
61, 32.279, 210.109

Trichromacy



Original Color
61, 31.578, 222.833

Protanomaly
60, 20.578, 246.683

Deuteranomaly
60, 24.727, 256.909

Tritanomaly
61, 31.815, 214.693

Monochromacy

Original Color
61, 31.578, 222.833

Achromatopsia
54, 0.007, 296.813

Achromatomaly
56, 15.003, 218.415

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 31.578, 222.833 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(45, 160, 184) looks like.

```
.text, #text, p{
    color:rgb(45, 160, 184)
}
```

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(45, 160, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 160, 184) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 31.578, 222.833 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(45, 160, 184) }
```

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

```
.border{ border-color:rgb(45, 160, 184) }
```

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

Here you see how a box with a 4 pixel rgb(45, 160, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(45, 160, 184); -webkit-box-shadow:4px 4px 4px 4px rgb(45, 160, 184); box-shadow:4px 4px 4px 4px rgb(45, 160, 184) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 31.578, 222.833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(45, 160, 184) }
```

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

```
.background{ background-color:rgb(45, 160,
184) }
```

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.

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

Learn more, Memberships starting at $2.50/m!

Follow me on Twitter!

@ConvertingColor