

Converting Colors

CIELCh(64, 29.602, 221.933)

Have a look what the booklet for
CIELCh(64, 29.602, 221.933)
contains.

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Color

CIELCh(64, 29.642, 220.862)

Conversions

Conversions Part 1

Format	Color
Hex	44A8BD
RGB	68, 168, 189
RGB Percent	27%, 66%, 74%
CMY	0.7344, 0.3421, 0.2597
CMYK	0.64, 0.11, 0.00, 0.26
HSL	190°, 48%, 50%
HSV	190°, 64%, 74%
XYZ	25.4831, 32.8017, 52.9975
YIQ	140.4940, -66.3410, -14.6690

Conversions

Conversions Part 2

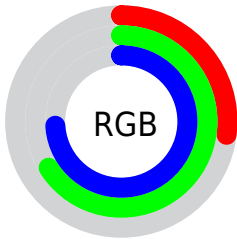
Format	Color
RYB	68, 123, 189
Decimal	4499645
CIELab	64.00, -22.42, -19.39
CIELCh	64, 29.642, 220.862
Yxy	32.8017, 0.2290, 0.2948
Android (android.graphics.Color)	4282689725 (0xFF44A8BD)
YUV	140.4940, 23.9135, -63.5772
Hunter-Lab	57.2727, -20.8049, -14.7732

Details

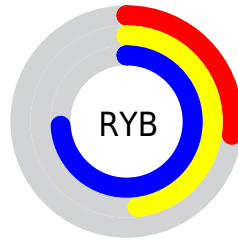
The CIELCh color **64, 29.642, 220.862** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **50, 49.652, 38.869**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **84, 29.504, 221.109**, and **45, 27.356, 223.247** is the 20% darker color. If you saturate the color by 10%, you get **63, 31.937, 222.699**, and if you desaturate by 10%, it is **66, 26.601, 219.450**.

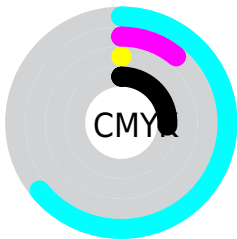
Distribution



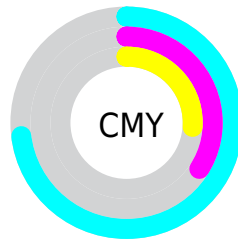
- Red (27%)
- Green (66%)
- Blue (74%)



- Red (27%)
- Yellow (48%)
- Blue (74%)



- Cyan (64%)
- Magenta (11%)
- Yellow (0%)
- Black (26%)




- Cyan (73%)
- Magenta (34%)
- Yellow (26%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 29.642, 220.862 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 64, 29.642, 220.862 by changing the saturation by 10% instead.

 64, 29.642,
220.862


 64, 29.642,
220.862


 100, 29.642,
220.862


 54, 29.642,
220.862


 84, 29.642,
220.862

 44, 29.642,
220.862

 94, 29.642,
220.862

 34, 29.642,
220.862

 24, 29.642,
220.862

 14, 29.642,
220.862

 4, 29.642, 220.862

 0, 29.642, 220.862

64, 29.642,
220.862

64, 29.642,
220.862

63, 31.937,
222.699

66, 26.601,
219.450

61, 33.497,
225.039

67, 22.856,
218.395

60, 34.394,
227.938

69, 18.480,
217.630

59, 34.754,
229.817

71, 13.559,
217.101

73, 8.188, 216.770

76, 2.453, 216.708

78, 3.564, 36.247

80, 9.796, 36.328

83, 16.183, 36.402

Harmonies

Complementary

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



64, 29.642, 220.862



50, 49.652, 38.869

Rectangle

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



64, 29.642, 220.862



64, 29.642, 270.862



64, 29.642, 40.862



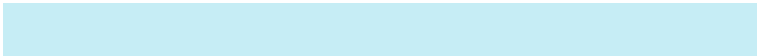
64, 29.642, 90.862

Sweetspot

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



64, 29.641, 220.861



91, 13.397, 216.918



68, 68.225, 143.162



48, 9.133, 217.021



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



64, 29.641, 220.861



79, 39.706, 223.598



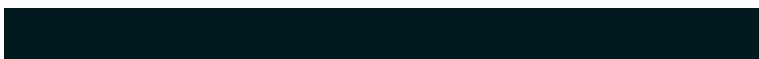
46, 48.199, 284.216



39, 3.327, 216.685



50, 30.473, 229.314



7, 9.598, 223.904

Inverse Universe

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



49, 66.611, 333.766



59, 91.662, 334.787



64, 47.758, 82.485



37, 6.269, 330.154



36, 70.735, 336.465



3, 18.093, 332.793

Previews

White Background



This preview shows how the CIELCh color 64, 29.642, 220.862 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 64, 29.642, 220.862 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

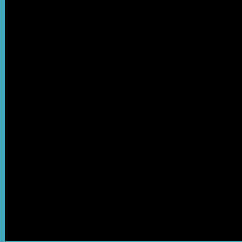
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 29.642, 220.862

Background



This preview shows how black text looks on a background with the CIELCh color 64, 29.642, 220.862.



This preview shows how white text looks on a background with the CIELCh color 64, 29.642, 220.862.

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





Tritanopia
64, 29.893, 211.309

Trichromacy



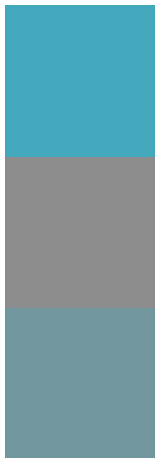
Original Color
64, 29.642, 220.862

Protanomaly
63, 18.611, 247.695

Deuteranomaly
63, 22.140, 258.538

Tritanomaly
64, 29.768, 213.668

Monochromacy



Original Color
64, 29.642, 220.862

Achromatopsia
58, 0.007, 296.813

Achromatomaly
60, 13.320, 218.323

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 29.642, 220.862 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(68, 168, 189)` looks like.

```
.text, #text, p{  
    color:rgb(68, 168, 189)  
}
```

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(68, 168, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 168, 189) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 29.642, 220.862 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(68, 168, 189) }
```

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

```
.border{ border-color:rgb(68, 168, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 168, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 168, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 168, 189);  
box-shadow:4px 4px 4px 4px rgb(68, 168,  
189) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 29.642, 220.862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 168, 189) }
```

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

```
.background{ background-color: rgb(68, 168,  
189) }
```

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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