

Converting Colors

CIELCh(64, 20.499, 177.434)

Have a look what the booklet for
CIELCh(64, 20.499, 177.434)
contains.

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Color

CIELCh(64, 20.218, 178.235)

Conversions

Conversions Part 1

Format	Color
Hex	70A599
RGB	112, 165, 153
RGB Percent	44%, 65%, 60%
CMY	0.5596, 0.3517, 0.3988
CMYK	0.32, 0.00, 0.07, 0.35
HSL	166°, 23%, 54%
HSV	166°, 32%, 65%
XYZ	26.0106, 32.8017, 35.2339
YIQ	147.7850, -27.7360, -14.9680

Conversions

Conversions Part 2

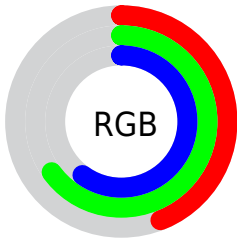
Format	Color
RYB	112, 142, 165
Decimal	7382425
CIELab	64.00, -20.21, 0.62
CIELCh	64, 20.218, 178.235
Yxy	32.8017, 0.2766, 0.3488
Android (android.graphics.Color)	4285572505 (0xFF70A599)
YUV	147.7850, 2.5710, -31.3834
Hunter-Lab	57.2727, -19.1609, 3.6160

Details

The CIELCh color **64, 20.218, 178.235** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **53, 22.821, 4.832**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 20.289, 178.162**, and **44, 20.332, 178.067** is the 20% darker color. If you saturate the color by 10%, you get **63, 25.838, 177.142**, and if you desaturate by 10%, it is **65, 14.197, 179.252**.

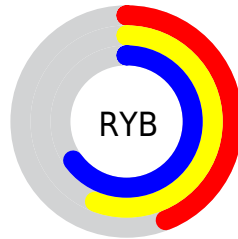
Distribution



Red (44%)

Green (65%)

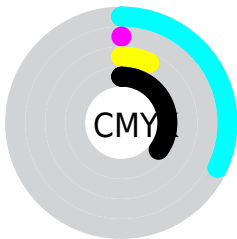
Blue (60%)



Red (44%)

Yellow (56%)

Blue (65%)

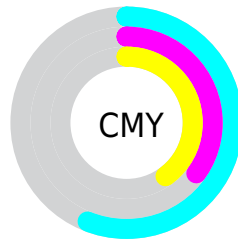


Cyan (32%)

Magenta (0%)

Yellow (7%)

Black (35%)



Cyan (56%)


Magenta (35%)

Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 20.218, 178.235 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, 20.218, 178.235 by changing the saturation by 10% instead.

 64, 20.218,
178.235

 64, 20.218,
178.235


 100, 20.218,
178.235


 54, 20.218,
178.235


 84, 20.218,
178.235

 44, 20.218,
178.235

 94, 20.218,
178.235

 34, 20.218,
178.235

 24, 20.218,
178.235

 14, 20.218,
178.235

 4, 20.218, 178.235

 0, 20.218, 178.235

■ 64, 20.218,
178.235

■ 64, 20.218,
178.235

■ 63, 25.838,
177.142

■ 65, 14.197,
179.252

■ 62, 30.948,
175.960

■ 66, 7.878, 180.225

■ 68, 1.359, 181.389

■ 62, 35.451,
174.665

■ 69, 5.275, 1.841

■ 61, 39.275,
173.234

■ 71, 11.954, 2.707

■ 61, 42.385,
171.646

■ 72, 18.623, 3.507

■ 74, 25.240, 4.272

■ 61, 44.800,
169.883

■ 76, 31.773, 5.008

■ 60, 46.389,
168.422

■ 77, 35.967, 4.313

Harmonies

Complementary

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



64, 20.218, 178.235



53, 22.821, 4.832

Rectangle

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



64, 20.218, 178.235



64, 20.218, 228.235



64, 20.218, 358.235



64, 20.218, 48.235

Sweetspot

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



64, 20.219, 178.233



84, 8.080, 180.408



64, 33.423, 136.190



44, 5.494, 180.279



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



64, 20.219, 178.233



80, 29.095, 177.519



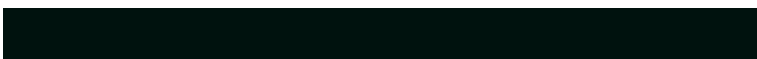
60, 15.271, 230.104



34, 3.667, 180.499



54, 42.079, 168.650



4, 5.920, 177.522

Inverse Universe

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



53, 22.821, 4.832



64, 33.747, 5.871



56, 18.715, 46.116



32, 3.791, 2.041



30, 59.568, 26.216



1, 5.723, 2.852

Previews

White Background



This preview shows how the CIE LCh color 64, 20.218, 178.235 looks on a white background.

Color Contrast Check

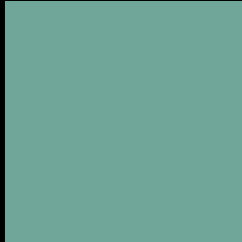
Large Text (above 18pt) WCAG AA × Fail

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, 20.218, 178.235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

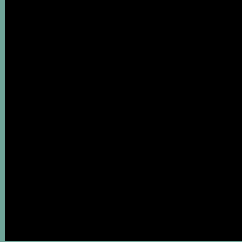
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 20.218, 178.235

Background



This preview shows how black text looks on a background with the CIELCh color 64, 20.218, 178.235.

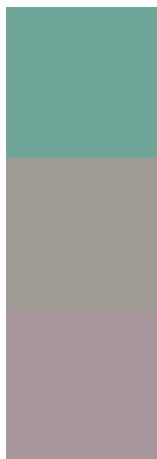


This preview shows how white text looks on a background with the CIELCh color 64, 20.218, 178.235.

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


64, 20.218, 178.235

Protanopia

64, 4.343, 82.883

Deuteranopia

64, 7.998, 351.025



Tritanopia
64, 16.591, 224.355

Trichromacy



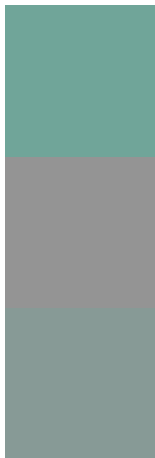
Original Color
64, 20.218, 178.235

Protanomaly
64, 7.960, 159.683

Deuteranomaly
64, 3.024, 199.280

Tritanomaly
64, 16.618, 205.804

Monochromacy



Original Color
64, 20.218, 178.235

Achromatopsia
61, 0.008, 296.813

Achromatomaly
62, 7.540, 181.419

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 20.218, 178.235 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(112, 165, 153)` looks like.

```
.text, #text, p{  
    color:rgb(112, 165, 153)  
}
```

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(112, 165, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 165, 153) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 20.218, 178.235 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(112, 165, 153) }
```

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

```
.border{ border-color:rgb(112, 165, 153) }
```

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

Here you see how a box with a 4 pixel rgb(112, 165, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 165, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 165, 153);  
box-shadow:4px 4px 4px 4px rgb(112, 165,  
153) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 20.218, 178.235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 165, 153) }
```

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

```
.background{ background-color: rgb(112,  
165, 153) }
```

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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